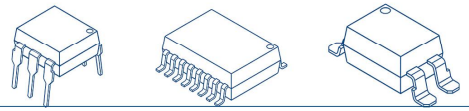
AOTE SEMICONDUCTOR

产品手册
PRODUCT MANUAL

光电耦合器
PHOTOCOUPLER



www.aotesemi.com

关注奥特公众号
Follow AOTE Wechat

台湾奥特半导体科技有限公司
Taiwan Aote Semiconductor Technology Co.,Ltd

广东奥特半导体有限公司
Guangdong Aote Semiconductor Co.,Ltd

地址及联系方式
Address and contact information

研发中心：台湾台中市丰原中阳里圆环东路569号
R&D Center: No.569, Huanyuan East Road, Zhongyangli, Fengyuan, Taichung City, Taiwan Province.

销售办事处：广东省深圳市宝安区航城街道黄田社区创建路恒昌荣高新产业园5栋4层
Sales Office: Floor 3, Building 1, No.596 Zhoushi Road, Jiuwei Community, Hangcheng Street, Baoan District, Shenzhen.

www.aotesemi.com
sales@aotesemi.com

AOTE SEMICONDUCTOR

www.aotesemi.com

COMPANY PROFILE
公司简介

5+ 行业经验 | **20+** 认证证书 | **1000+** 现货型号 | **3000+** 服务客户

服务 | 创新 | 诚信 | 高效

奥特半导体科技有限公司 Aote Semiconductor Technology Co., Ltd.

台湾奥特半导体科技有限公司(简称AOTE奥特)成立于2018年,实行"台湾研发、大陆销售"的双核心布局:总部及研发实验室坐落于台湾省台中市,旗下销售公司——广东奥特半导体有限公司设立于深圳。

公司专注于半导体器件的研发、设计、制造与销售,产品涵盖光电耦合器、功率器件芯片、电源管理IC、逻辑器件等,广泛应用于工业控制、新能源汽车、充电桩、智能家居及消费电子电源等领域。

公司已通过ISO9001、ISO14001认证,产品符合RoHS、REACH、SGS环保标准,并取得中国CQC、德国VDE、美国UL等国际安规认证。

AOTE提供从产品选型到方案落地的全程专业支持,以技术与质量双轮驱动,为客户交付稳定高效的元器件与系统级方案,共赢产业链未来。

Taiwan AOTE Semiconductor Technology Co., Ltd. (AOTE) was established in 2018, implementing a dual core layout of "research and development in Taiwan and sales in mainland China": the headquarters and research and development laboratory are located in Taichung City, Taiwan Province, and its sales company, Guangdong AOTE Semiconductor Co., Ltd., is located in Shenzhen.

The company focuses on the research and development, design, manufacturing, and sales of semiconductor devices, with products including optocouplers, power device chips, power management ICs, logic devices, etc., widely used in industrial control, new energy vehicles, charging stations, smart homes, and consumer electronics power supplies.

The company has passed ISO9001 and ISO14001 certifications, and its products comply with RoHS, REACH, SGS environmental standards. It has also obtained international safety certifications such as China CQC, Germany VDE, and the United States UL.

AOTE provides full professional support from product selection to solution implementation, driven by both technology and quality, to deliver stable and efficient components and system level solutions to customers, achieving a win-win future for the industry chain.

Corporate Culture

企业文化

企业愿景

成为世界有影响力的领先的光电耦合器制造商和解决方案供应商

To become a leading optocoupler with global influenceManufacturers and solution providers

企业使命

让奥特电耦合器更敏捷高效

Make the Otter optocoupler more agile and efficient

企业精神

诚信、创新、尊重、感恩、合作 高效、分享、共赢、传递价值

Integrity, innovation, respect, gratitude, efficient cooperation, sharing, win-win, and value transmission

正品保证 | 质量保证 | 无忧退换 | 可开发票 | 长期现货 | 原厂供应

CORE STRENGTHS
核心优势

供应商管理

奥特拥有完整的供应商评估体系，安全、稳定的供应商队伍。

Aote has a complete supplier evaluation system and a safe and stable supplier team.

制程品质管理

奥特一直秉承着“质量第一”的管理思想，精益求精，做到“不接收，不制造、不流出“不良品。

Aote has always adhered to the management philosophy of "quality first", striving for excellence, and achieving the goal of "not accepting, not manufacturing, and not exporting" defective products.

客诉管理

奥特拥有专业的客服团队，能高效处理客户抱怨和投诉，承诺 48 小时内完成快速反应及处理，72 小时内给出基本原因分析及改善计划，一般问题7个工作日内回复完整的 8D 报告。

Aote has a professional customer service team that can efficiently handle customer complaints and grievances, with a commitment of 48 hoursComplete rapid response and handling within 72 hours, provide basic cause analysis and improvement planProvide a complete 8D report within 7 working days for general questions.

有害物质管理

奥特具备 RoHS1.0、RoHS2.0 检测能力，成品按封装形式1次/年进行第三方检测并提供检测报告。

Autotech has the ability to detect RoHS1.0 and RoHS2.0, and the finished products are packaged once a yearThird party testing and providing testing reports.

体系管理

实验室具备独立进行 RA 测试和 FA 分析能力，测试项目包含HAST、PCT、HTOL、HTRB、WHTOL、HT/HH、H3TRB、TC、Salt Test 等

The laboratory has the ability to independently conduct RA testing and FA analysis, and the testing projects includeHAST, PCT, HTOL, HTRB, WHTOL, HT/HH, H3TRB, TC, Salt Test, etc

PRODUCT ADVANTAGES
产品优势

高效低耗|驱动能力优异
Efficient and low consumption, excellent driving capability

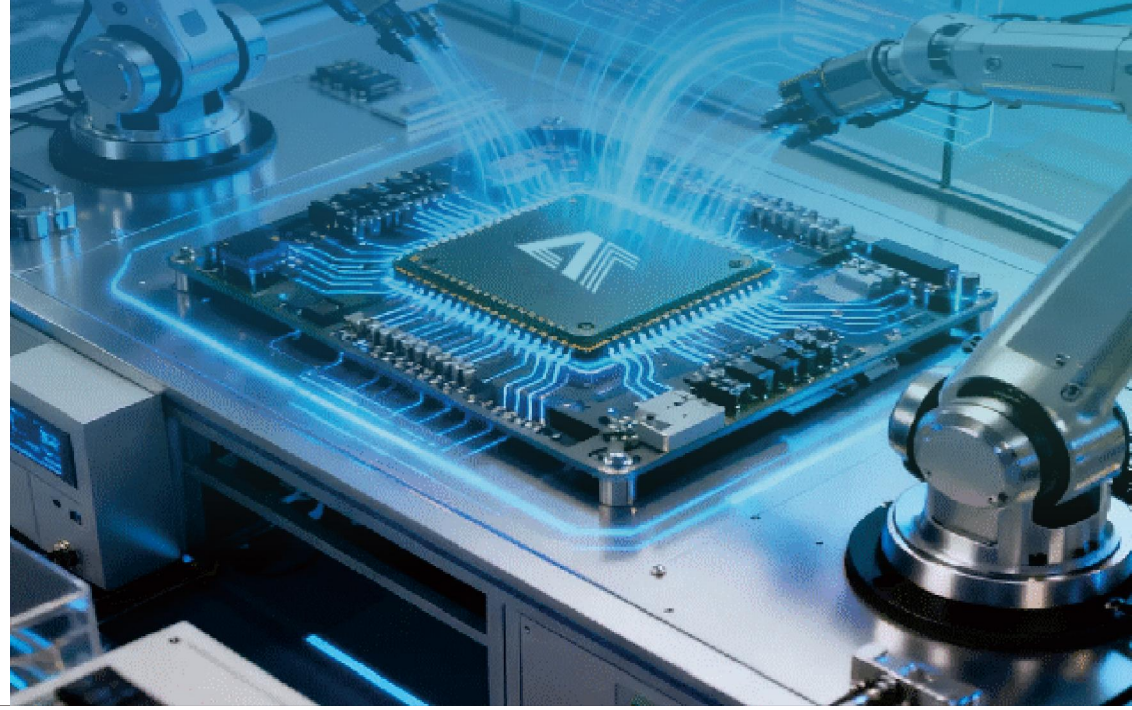
高稳隔离|适配复杂工况
High stability isolation, suitable for complex working conditions

兼容替代|降本增效显著
Compatible substitution, significantly reducing costs and increasing efficiency

小巧节能|贴合产业趋势
Compact and energy-saving, in line with industry trends

依托自主核心技术，奥特半导体全系光耦产品在性能、适配性、稳定性、实用性上实现全方位升级，精准解决行业传统产品损耗高、稳定性差、替换成本高、环境适配性弱等痛点，成为进口替代的优选方案。

Leveraging proprietary core technologies, OptiSemiconductors' full range of optocoupler products has achieved comprehensive upgrades in performance, adaptability, stability, and practicality. These advancements precisely address industry pain points such as high power consumption, poor stability, elevated replacement costs, and weak environmental adaptability in traditional products, making them an optimal solution for import substitution.



CONTENTS
目录

01 应用领域 Application field — 01/02

02 封装说明 Encapsulation Description — 03/04

封装形式
产品型号定义

03 产品选型表 Product Selection Sheet — 05/06

04 晶体管光耦 Transistor optocoupler — 07/10

晶体管光耦(AC) Transistor optocoupler(AC)

DIP-4/DIP4-M/SMD-4 ..... AT814
SOP-4 ..... AT354
SSOP-4 ..... AT3H4
SOP-16 ..... AT3H44

晶体管光耦(DC) Transistor optocoupler(DC)

DIP-4/DIP4-M/SMD-4 ..... AT816/AT817/AT851/AT451/AT8016
SOP-4 ..... AT357/AT358/AT818
SSOP-4 ..... AT3H7
LSOP-4 ..... AT101X
DIP-6/SMD-6 ..... AT4NXX
DIP-8/SMD-8 ..... AT826/ATN826/AT827/ATN827

05 达林顿光耦 Darlington optocoupler — 11/12

DIP-4/DIP4-M AT852/AT815
SSOP-4 ..... AT215
SOP-4 ..... AT452/AT415
DIP-6/SMD-6 ..... AT4N29/AT4N30/AT4N31/AT4N32/AT4N33
DIP-8/SMD-8 ..... AT6N138/AT6N139/AT825

06 可控硅光耦 Thyristor optocoupler — 13/18

可控硅光耦(NZC) Thyristor optocoupler(NZC)

SOP-4 ..... ATM301X/ATM302X/ATM305X/ATM307X
DIP-4/SMD-4 ..... AT52X/AT55X
DIP-6/SMD-6 ..... AT301X/AT302X/AT305X/AT307X
DIP-5/SMD-5 ..... AT2011/AT2021/AT2051/AT2071
DIP-5/SMD-5 ..... AT2022/AT2032/AT2052/AT2072
DIP-5/SMD-5 ..... AT2013/AT2023/AT2053/AT2073
DIP-7/SMD-7 ..... AT0223/AT1223/AT2223/AT3223

可控硅光耦(ZC) Thyristor optocoupler(ZC)

SOP-4 ..... ATM303X/ATM304X/ATM306X/ATM308X
DIP-6/SMD-6 ..... AT303X/AT304X/AT306X/AT308X
DIP-5/SMD-5 ..... AT2031/AT2041AT2061/AT2081
DIP-5/SMD-5 ..... AT2032/AT2042AT2062/AT2082
DIP-5/SMD-5 ..... AT2033/AT2043AT2063/AT2083
SOP-4 ..... AT53X/AT54X/AT56X/AT58X
DIP-7/SMD-7 ..... AT0213/AT1213/AT2213/AT3213

07 光继电器光耦 Optical relay optocoupler — 19/20

SOP-4 ..... AT172/AT173/AT174/AT175/AT176/AT1722
DIP-4/SMD-4/DIP4-M AT212/AT213/AT214/AT216
DIP-8/SMD-8 ..... AT222/AT223/AT224/AT226/AT227
WSOP-16 ..... ATS258
DIP-6/SMD-6 ..... AT252/ATV252/ATV253/ATV254
SMD-5 ..... ATY251/ATY258A

08 高速光耦 High speed optocoupler — 21/24

DIP-6/SMD-6 ..... ATH11LX
DIP-8/SMD-8/SOP-8 ..... ATN772X/ATC072X
SOP-5 ..... ATM720/ATM721/ATM723
SOP-5 ..... ATM5XX/ATM6XX/ATW6XX
SOP6-P/SOP-W ATW501/ATW511/ATW720/ATW721/ATW723
WDIP-8/WSMD-8/WSOP-8 ..... ATN261L/ATC261L
DIP-8/SMD-8 ..... AT6N13X/ATN13X
SOP-8 ..... AT063X/AT053X
SOP-8 ..... ATC74L/AT074L/AT075L/ATC64L
SOP-8/WSOP-8 ..... AT05XX/ATC5XX/AT06XX/ATC6XX
WDIP-10/WSMD-10 ..... AT2601
WSOP-16 ..... AT6N437

09 栅极驱动光耦 Gate driven optocoupler — 25/28

DIP-8/SMD-8/DIP8-M AT3150/AT3120/ATN3150/ATN3150
DIP-8/SMD-8/DIP8-M AT350/ATN350/AT03XX
SOP-5 ..... ATM34X/AT155
SOP6-P/SOP6-W AT314/AT34X
WSOP-16 ..... AT330J/AT331J/AT332J/AT333J/AT316

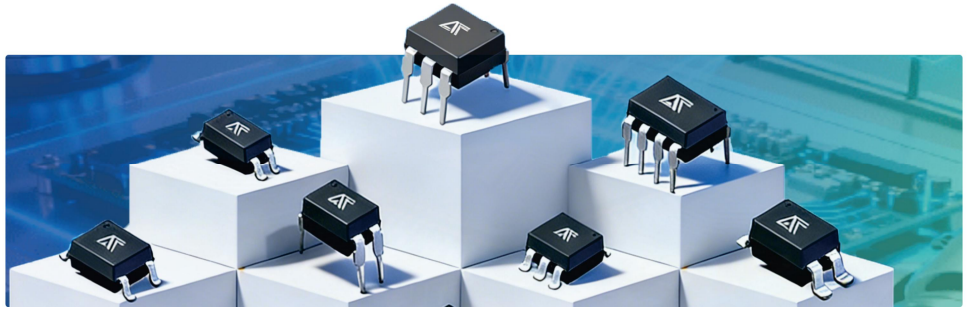
10 智能功率模块化接口光耦 Intelligent power modular interface optocoupler — 29/30

SOP6-P/SOP6-W AT480/AT481
SOP-5 ..... ATM480/ATM481/ATM456
DIP-8/SMD-8 ..... AT4504/ATC4504/ATN4504
DIP-8/SMD-8 ..... AT4506/ATC4506/ATN4506

11 光隔离运算放大器 Optical isolation operational amplifier — 31/32

DIP-8/SOP-8 ..... AT7840/ATC790/ATC79A/ATC79B/ATH790
WSOP-8 ..... ATC87AT/ATC87BT

12 品牌型号对应参照表 Brand and Model Corresponding Reference Table — 33/40



AOTE SEMICONDUCTOR

www.aotesemi.com

APPLICATION FIELD
应用领域

01

工业控制是机器设备或生产过程在不需要人工直接干预的情况下按预期的目标实现测量、操纵等信息处理和过程控制的统称。在工业控制系统中，存在着各种各样的干扰，使用光隔离器可以实现隔离、抗干扰的效果。奥特的栅极驱动光耦(AT3120、AT341)能够对设备前端发出的驱动信号进行隔离保护，其和晶体管光耦(AT817.AT357等)实现了低压数字电路和高压驱动电路之间的电气隔离，从而避免工控设备初次级悬殊的压差带来的安全隐患.

工业控制 Industrial Control

02

医疗设备 Medical equipment

社会大众健康生活的检测、预防，治疗过程中和医疗设备、仪器是离不开的。奥特光耦抗干扰能力强、体积小，输入输出两端完全绝缘、抑制电噪声和瞬态干扰、消除接地回路等作用是医疗设备实现完全隔离的理想器件。奥特的高速光耦(如 AT6N137,ATW501,ATW601 等)用于电源和电机控制电路、数据通信、数字逻辑接口电路栅极驱动光耦(AT3120、AT341 等)驱动IGBT 和功率MOSFFE器件，实现电机控制和功率转换

03

在全球能源不断缩减、提倡节能减排的大背景下，新能源汽车在市场中占比日益增加，存在全面取代燃油车的趋势，汽车是肩负着人员运输安全使命的交通工具。新能源汽车电池充电、BMS管理、电控等系统中使用的奥特光继电器(AT17x、AT22x、ATY258、ATS258等)响应速度快，灵敏度高，导通电阻小，漏电电流小等特点能够更大限度地利用电池存储能力和循环寿命;高速光耦(AT6N137:ATO74L,AT0631等)的高速响应为汽车控制系统指挥执行系统提供和采集数据;智能栅极驱动光耦(AT33xJ系列)更高的输出峰值电流、更强的抗扰能力，具有可编程故障检测、欠压锁定的特点用于强弱电隔离、通信、过程控制等系统。

新能源 New energy

04

开关电源是一种高频电能转换装置，是利用电子开关器件通过控制电路快速地“开通”和“关断”，对输入电压进行脉宽调制，从而实现 AC-DC、DC-DC、DC-AC电压变换。奥特晶体管光耦(AT817/AT1018/AT1019等)在开关电源中将进线220V高压和输出低压两端隔离，同时提供反馈信号至前端控制电路和保护电路，控制驱动电路输出相应的 PWM 信号，以控制开关功率管的工作状态，从而保证后端设备及使用人员的安全和保护输出电压的稳定。

电源 Power supply

05

光伏逆变 Photovoltaic Inverter

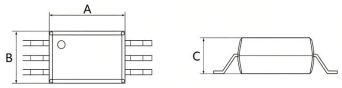
光伏发电是一种利用太阳电池半导体材料的光伏效应，将太阳光辐射能直接转换为电能的一种新型发电系统，搭配储能系统可以对能源利用达到最大化。奥特光继电器(ATY258/ATS258/1500V)在光伏储能产品上做为信号检测、绝缘检测应用，具有输出端子关断耐压高、初次侧高绝缘耐压特性(5000V以上绝缘耐压)，给高压储能设备提供安全保障:ATN201高精度线性光，提供更高精度的信号采样数据。

06

家用电器使人们从繁重、琐碎、费时的家务劳动中解放出来，提供了丰富多彩的文化娱乐条件，是现代家庭生活的必需品。日用家电的高功率、高电压会有一定的安全隐患，这就需要用到隔离器件来消除电平转换时悬殊的压差带来的不安全因素。奥特晶体管光耦AT817、AT1018、AT1019等) 电压采样和信号反馈;高速光耦(ATM60x、ATW60x、AT6N137、AT0601等)用于检测与保护线路;可控硅光耦(ATx223、ATx213、AT305x、AT306x等)能在高压，强电流的条件下工作，且工作过程可以控制，用于可控整流交流调压、无触点电子开关、逆变及变频等电子电路中。

家用电器 Home appliances

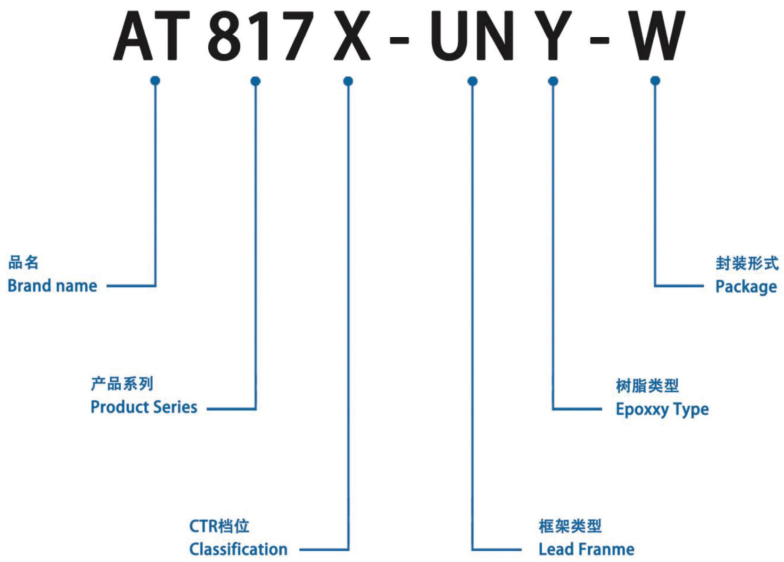
PACKAGE FORM
封装形式



Package	size A*B*C
DIP-4/SMD-4/DIP4-M	6.5*4.6*3.5
DIP-6/SMD-6/DIP6-M	7.2*6.5*3.5
DIP-7/SMD-7/DIP7-M	9.7*6.5*3.5
DIP-8/SMD-8/DIP8-M	9.7*6.5*3.5
SOP-4	4.6*4.2*2.0
SOP-5	4.6*4.2*2.0
SOP-8	5.2*4.2*3.2

Package	size A*B*C
SOP-16	10.3*4.6*2.1
SSOP-4	4.6*2.7*2.1
LSOP-4	7.6*3.6*2.0
SOP6-W/SOP6-P	6. 8*4.6*3.2
WDIP-8	10.7*7.5*3.5
WDIP-10	13.2*7.5*3.5
WSOP-8	6.5*5.2*3.2

PRODUCT MODEL DEFINITION
产品型号定义



备注:

CTR档位(代码:A、B、C、D)

框架类型:(Cu:铜框架,Fe:铁框架)

封装形式:(D:DIP, S:SMD; M:DIP-M)

PRODUCT SELECTION TABLE

产品选型表

奥特产品选型表

晶体管光耦	AT816 AT817	AT851 AT814	AT357 AT354	AT8801 AT101X	AT826 AT827	AT451	AT3H7 AT8016	AT2514 ATN201	ATN200 ATN201	ATN826 ATN827
达林顿光耦	AT815 AT852	AT825 AT415	AT452 AT215	AT4NXX ATN825	AT6N138 AT6N139	ATN6N138 ATN6N139	ATN825			
光继电器	AT21X AT41X	AT22X AT17X	ATY258 ATS258	ATY258H ATS258H	AT176 AT42X	AT1722 AT2122	ATV21X ATV25X	AT2222 AT41XS	ATY259 ATS259	ATV41X ATV45X
可控硅光耦	AT52X AT55X	AT56X AT58X	AT302X AT305X	AT306X AT308X	ATM302X ATM305X	ATM306X ATM308X	ATX213 ATX223	AT202X AT205X	AT206X AT208X	
高速光耦	6N135 6N136	6N137 AT7720	ATM511 ATM611	ATW511 ATW611	ATM721 ATW720	ATN6N135 ATN6N136	H11L1 ATC64L	ATN6N137 ATN261L	ATC53X ATC63X	ATM723 ATW723
栅极驱动光耦	AT3120 AT3150	ATM341 ATM314	AT350 AT341	AT314 AT343	ATM343 ATN3140	AT0341 AT0314	AT3140 AT0343	ATN3120 ATN3150		
智能栅极驱动光耦	AT330J	AT332J	AT316J	AT331J	AT333J	AT337J	AT339J			
智能功率模块接口光耦	AT4504	AT4506	AT480	ATM480	ATM481	AT481	ATN4504	ATN4506	ATC4504	ATC4506
光隔离运算放大器	AT7840	ATC87AT	ATC87BT	ATH87AT	ATH87BT	ATC790	ATH790			

晶体管光耦

TRANSISTOR OPTOCOUPLER

晶体管光耦是由发光二极管和光电晶体管组成的光电耦合器,通过光电效应和晶体管放大特性,实现电信号的光学隔离与传输确保信号稳定可靠。晶体管光耦包含晶体管光耦(交流)和晶体管光耦(直流)两大类.

Transistor optocoupler is a optocoupler composed of light-emitting diodes and phototransistors. Through the photoelectric effect and transistor amplification characteristics, it achieves optical isolation and transmission of electrical signals to ensure signal stability and reliability. Transistor optocouplers include two categories: transistor optocouplers (AC) and transistor optocouplers (DC)

产品特性 Product Features

- 具有大电流传输比;
- 高耐压、低输入电流;
- 可用于隔离高压电路和低压电路;
- 安规认证:CQC/UL/VDE/SGS国网认证等;
- 产品认证:ROHS&REACH/无卤等;

- It has a high current transmission ratio;
- High voltage resistance and low input current;
- Can be used to isolate high-voltage circuits from low-voltage circuits;
- Safety Certification: CQC/UL/VDE/SGS National Grid Certification, etc;
- Product Certifications: ROHS & REACH/Flame Retardant Free, etc;

应用领域 Application field

- 家用电器
- 开关电源
- 智能电表

- Household appliances
- Switching power supply
- Smart electricity meter

封装形式 Package form

DIP-4

SMD-4

DIP-6

SMD-6

DIP-8

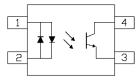
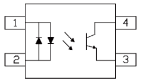
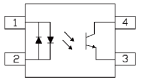
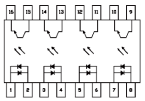
SMD-8

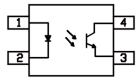
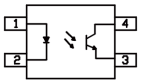
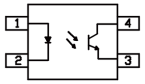
SOP-4

SSOP-4

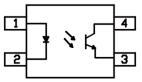
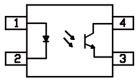
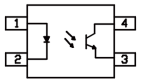
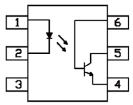
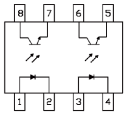
WSOP-16

技术参数 Technical Specifications

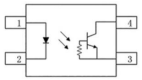
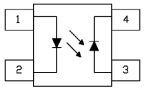
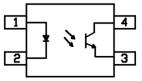
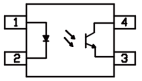
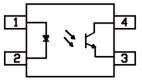
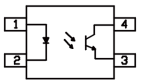
Input Type:AC	Part Number	CTR			VF (V)	BVCEO (V)	Viso (Vrms)
		CTR(档位)	CTR(%)	@IF(mA)/Vce(V)			
DIP-4/SMD-4/DIP4-M »  Pin Configuration 1.Anode/Cathode 2.Cathode/Anode 3.Emitter 4.Collector	AT814	A	50-150	±1/5	1.2-1.4	80	5000
		B	100-300	±1/5	1.2-1.4	80	5000
		--	20-300	±1/5	1.2-1.4	80	5000
SOP-4 »  Pin Configuration 1.Anode/Cathode 2.Cathode/Anode 3.Emitter 4.Collector	AT354	A	50-150	±1/5	1.2-1.4	80	3750
		B	100-300	±1/5	1.2-1.4	80	3750
		--	20-300	±1/5	1.2-1.4	80	3750
SSOP-4 »  Pin Configuration 1.Anode/Cathode 2.Cathode/Anode 3.Emitter 4.Collector	AT3H4	A	50-150	±1/5	1.2-1.4	80	3750
		B	100-300	±1/5	1.2-1.4	80	3750
		--	20-300	±1/5	1.2-1.4	80	3750
SOP-16 »  Pin Configuration 1.Anode/Cathode 2.Cathode/Anode 15.Emitter 16.Collector	AT3H44	A	50-150	±1/5	1.2-1.4	80	3750
		B	100-300	±1/5	1.2-1.4	80	3750
		--	20-300	±1/5	1.2-1.4	80	3750

Input Type:DC	Part Number	CTR			VF (V)	BVCEO (V)	Viso (Vrms)
		CTR(档位)	CTR(%)	@IF(mA)/Vce(V)			
DIP-4/SMD-4/DIP4-M »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT816	A	80-160	1/5	1.1-1.4	80	5000
		B	130-260	1/5	1.1-1.4	80	5000
		C	200-400	1/5	1.1-1.4	80	5000
		D	300-600	1/5	1.1-1.4	80	5000
DIP-4/SMD-4/DIP4-M »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT817	A	80-160	1/5	1.2-1.4	80	5000
		B	130-260	1/5	1.2-1.4	80	5000
		C	200-400	1/5	1.2-1.4	80	5000
		D	300-600	1/5	1.2-1.4	80	5000
		--	80-600	1/5	1.2-1.4	80	5000
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT357	A	80-160	1/5	1.2-1.4	80	3750
		B	130-260	1/5	1.2-1.4	80	3750
		C	200-400	1/5	1.2-1.4	80	3750
		D	300-600	1/5	1.2-1.4	80	3750
		--	80-600	1/5	1.2-1.4	80	3750

技术参数 Technical Specifications

Input Type:DC	Part Number	CTR			VF (V)	BVCEO (V)	Viso (Vrms)
		CTR(档位)	CTR(%)	@IF(mA)/Vce(V)			
SSOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT3H7	A	80-160	1/5	1.2-1.4	80	3750
		B	130-260	1/5	1.2-1.4	80	3750
		C	200-400	1/5	1.2-1.4	80	3750
		D	300-600	1/5	1.2-1.4	80	3750
		--	80-600	1/5	1.2-1.4	80	3750
LSOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT101X	AT1010	50-600	5/5	1.2-1.4	80	5000
		AT1012	63-125	10/5	1.2-1.4	80	5000
		AT1013	100-200	10/5	1.2-1.4	80	5000
		AT1014	160-320	10/5	1.2-1.4	80	5000
		AT1016	100-300	10/5	1.2-1.4	80	5000
		AT1017	80-160	5/5	1.2-1.4	80	5000
		AT1018	130-260	5/5	1.2-1.4	80	5000
		AT1019	200-400	5/5	1.2-1.4	80	5000
DIP-4/SMD-4/DIP4-M »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT851	–	50-600	1/5	1.2-1.4	350	5000
	AT451	–	80-600	1/5	1.2-1.4	350	3750
DIP-6/SMD-6 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.Emitter 5.Collector 6.Base	AT4NXX	4N25	20	10/10	1.2-1.5	30	5000
		4N26	20	10/10	1.2-1.5	30	5000
		4N38	20	10/10	1.2-1.5	30	5000
		4N27	10	10/10	1.2-1.5	30	5000
		4N28	10	10/10	1.2-1.5	30	5000
		4N35	100	10/10	1.2-1.5	30	5000
		4N36	100	10/10	1.2-1.5	30	5000
		4N37	100	10/10	1.2-1.5	30	5000
DIP-8/SMD-8 »  Pin Configuration 1.Anode 2.Cathode 7.Emitter 8.Collector	AT826 ATN826	C	200-400	5/5	1.0-1.3	80	5000
		D1	300-450	5/5	1.0-1.3	80	5000
		D2	380-600	5/5	1.0-1.3	80	5000
		--	200-600	5/5	1.0-1.3	80	5000
	AT827 ATN827	–	80-600	1/5	1.2-1.4	80	5000

技术参数 Technical Specifications

Input Type:DC	Part Number	CTR			VF (V)	BVCEO (V)	Viso (Vrms)
		CTR(档位)	CTR(%)	@IF(mA)/Vce(V)			
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT358	–	50-600	1/5	1.2-1.4	80	3750
	AT818	–	50-600	1/5	1.2-1.4	80	3750
DIP-4/DIP4-M »  Pin Configuration 1. Anode 2. Cathode 3. PD1 Anode 4. PD1 Cathode	AT8016	–	0. 1-1. 5	5/5	1.2-1.4	30	5000
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT8801	A	80-160	1/5	1.2-1.4	75	3750
		B	130-260	1/5	1.2-1.4	75	3750
		C	200-400	1/5	1.2-1.4	75	3750
		--	80-400	1/5	1.2-1.4	75	3750
SSOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT8801	A	80-160	1/5	1.2-1.4	75	3750
		B	130-260	1/5	1.2-1.4	75	3750
		C	200-400	1/5	1.2-1.4	75	3750
		--	80-400	1/5	1.2-1.4	75	3750
LSOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT8801	A	80-160	1/5	1.2-1.4	75	5000
		B	130-260	1/5	1.2-1.4	75	5000
		C	200-400	1/5	1.2-1.4	75	5000
		--	80-400	1/5	1.2-1.4	75	5000
DIP-4/SMD-4/DIP4-M »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT8801	A	80-160	1/5	1.2-1.4	75	5000
		B	130-260	1/5	1.2-1.4	75	5000
		C	200-400	1/5	1.2-1.4	75	5000
		--	80-400	1/5	1.2-1.4	75	5000

达林顿光耦

DARLINGTON OPTOCOUPLER

达林顿光耦是一种高性能光电耦合器，结合发光二极管和高增益光检测器，通过达林顿结构增强电流增益，实现高效电气隔离与电流输出。

Darlington optocoupler is a high-performance optocoupler that combines light-emitting diodes and high gain photodetectors to enhance current gain through Darlington structure, achieving efficient electrical isolation and current output.

产品特性 Product Features

- 高增益，增强信号；
- 高隔离度，避免电气噪声的干扰；
- 高速响应，可在微妙级别内完成信号传输与转换；
- 安规认证:CQC/UL/VDE/SGS国网认证等；
- 产品认证:ROHS&REACH/无卤等；

- High gain, enhanced signal;
- High isolation to avoid interference from electrical noise;
- High speed response, capable of completing signal transmission and conversion at a subtle level;
- Safety Certification: CQC/UL/VDE/SGS National Grid Certification, etc;
- Product Certifications: ROHS & REACH/Flame Retardant Free, etc;

应用领域 Application field

- 电力控制系统
- 医疗设备
- 工业设备

- Power control system
- Medical equipment
- Industrial equipment

封装形式 Package form

DIP-4

SMD-4

DIP-6

SMD-6

DIP-8

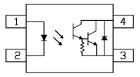
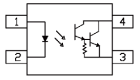
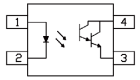
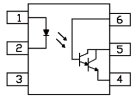
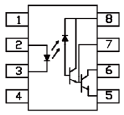
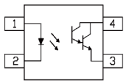
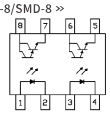
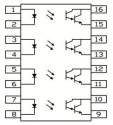
SMD-8

SOP-4

SSOP-4

WSOP-16

技术参数 Technical Specifications

Technical Specifications	Part Number	CTR			VF (V)	BVCEO (V)	Viso (Vrms)
		CTR(档位)	CTR(%)	@IF(mA)/Vce(V)			
SOP-4/DIP-4/DIP4-M »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT452	–	1000-7500	1/2	1.2-1.4	350	3750
	AT852	–	1000-7500	1/5	1.2-1.4	350	5000
SSOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT215	–	600-7500	1/2	1.2-1.4	40	3750
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT415	–	600-7500	1/2	1.2-1.4	40	3750
DIP-6/SMD-6 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.Emitter 5.Collector 6.Base	–	AT4N29	100	10/10	1.3-1.5	50	5000
		AT4N30	100	10/10	1.3-1.5	50	5000
		AT4N31	50	10/10	1.3-1.5	50	5000
		AT4N32	500	10/10	1.3-1.5	50	5000
		AT4N33	500	10/10	1.3-1.5	50	5000
DIP-8/SMD-8 »  Pin Configuration 1.NC 2.Anode 3.Cathode 4.NC 5.GND 6.V O 7.V B 8.VCC	–	AT6N138	400-2000	0.5/4.5	1.4	80	5000
		AT6N139	400-2000	0.5/4.5	1.4	80	5000
		ATN138	400-2000	0.5/4.5	1.4	80	5000
		ATN139	400-2000	0.5/4.5	1.4	80	5000
DIP-4/SMD-4 »  Pin Configuration 1.Anode 2.Cathode 3.Emitter 4.Collector	AT815	–	600-7500	1/5	1.2-1.4	40	5000
DIP-8/SMD-8 »  Pin Configuration 1.3.Anode 2.4.Cathode 5.7. Emitter 6.8. Collector	AT825	–	600-7500	1/5	1.2-1.4	40	5000
	ATN825	–	600-7500	1/5	1.2-1.4	40	5000
SOP-16 »  Pin Configuration 1,3,5,7.Anode 2,4,6,8.Cathode 9,11,13,16.Emitte 10,12,14,15.Collector	AT2154	–	600-7500	1/5	1.2-1.4	40	3750

可控硅光耦

THYRISTOR OPTOCOUPLER

可控硅光耦利用光信号在电路间传输，实现电气隔离与交流电控制，由发光二极管和光电双向晶闸管组成，是交流负载控制的理想选择，可控硅光耦包含随机相位双向可控硅光耦和零交叉双向可控硅光耦两大类。

Controllable silicon optocouplers use optical signals to transmit between circuits, achieving electrical isolation and AC control. They are composed of light-emitting diodes and optoelectronic bidirectional thyristors, making them an ideal choice for AC load control. Controllable silicon optocouplers include two categories: random phase bidirectional controllable silicon optocouplers and zero crossing bidirectional controllable silicon optocouplers.

产品特性 Product Features

- 采用MOSFET作为开关管，提高了开关速度；
- 内部采用MOSFET结构，体积缩小，重量只有普通三端可控硅的1/3；
- 采用独特热保护技术，工作温度范围宽，延长使用寿命；
- 安规认证：CQC/UL/VDE/SGS国网认证等；
- 产品认证：ROHS&REACH/无卤等；

- Using MOSFET as the switching transistor improves the switching speed;
- Internally adopting MOSFET structure, the volume is reduced and the weight is only one-third of that of ordinary three terminal thyristors;
- Adopting unique thermal protection technology, the working temperature range is wide, extending the service life;
- Safety certification: CQC/UL/VDE/SGS State Grid certification, etc;
- Product Certifications: ROHS & REACH/Flame Retardant Free, etc;

应用领域 Application field

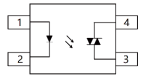
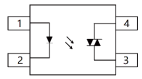
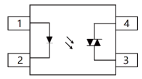
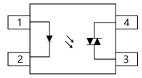
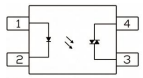
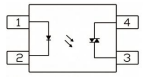
- 家用电器
- 高压交流开关
- 灯光控制器

- household appliances
- High voltage AC switch
- Lighting Controller

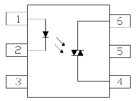
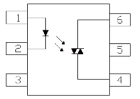
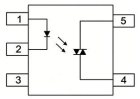
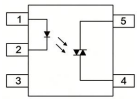
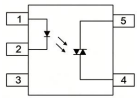
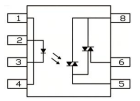
封装形式 Package form

DIP-4 SMD-4 DIP-5 SMD-5 DIP-6 SMD-6 DIP-7 SMD-7 SOP-4

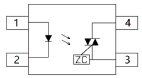
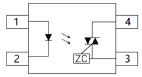
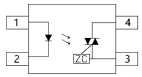
技术参数 Technical Specifications

Non-zero Crossing Type:NZC	Part Number	IFT(mA)	VF (V)	VDRM(V)	ITSM(A)	PC(mA)	Viso (Vrms)
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Terminal 4.Terminal	ATM3011	15	1.23-1.5	250	1	300	3750
	ATM3021	15	1.23-1.5	400	1	300	3750
	ATM3051	15	1.23-1.5	600	1	300	3750
	ATM3071	15	1.23-1.5	800	1	300	3750
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Terminal 4.Terminal	ATM3012	10	1.23-1.5	250	1	300	3750
	ATM3022	10	1.23-1.5	400	1	300	3750
	ATM3052	10	1.23-1.5	600	1	300	3750
	ATM3072	10	1.23-1.5	800	1	300	3750
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Terminal 4.Terminal	ATM3013	5	1.23-1.5	250	1	300	3750
	ATM3023	5	1.23-1.5	400	1	300	3750
	ATM3053	5	1.23-1.5	600	1	300	3750
	ATM3073	5	1.23-1.5	800	1	300	3750
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Terminal 4.Terminal	ATM3020	30	1.23-1.5	400	1	300	3750
	ATM3021	15	1.23-1.5	400	1	300	3750
	ATM3022	10	1.23-1.5	400	1	300	3750
	ATM3023	5	1.23-1.5	400	1	300	3750
DIP-4/SMD-4 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VCC	AT520	20-30	1.18-1.5	400	1	300	5000
	AT521	10-15	1.18-1.5	400	1	300	5000
	AT522	5-10	1.18-1.5	400	1	300	5000
	AT523	3-5	1.18-1.5	400	1	300	5000
DIP-4/SMD-4 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VCC	AT551	10-15	1.18-1.5	600	1	300	5000
	AT552	5-10	1.18-1.5	600	1	300	5000
	AT553	3-5	1.18-1.5	600	1	300	5000

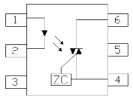
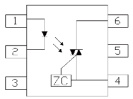
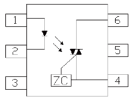
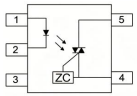
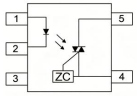
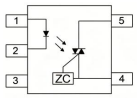
技术参数 Technical Specifications

Non-zero Crossing Type:NZC	Part Number	IFT(mA)	VF (V)	VDRM(V)	ITSM(A)	PC(mA)	Viso (Vrms)
DIP-6/SMD-6 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.Terminal 5.NC 6.Terminal	AT3011	15	1.23-1.5	250	1	300	5000
	AT3021	15	1.23-1.5	400	1	300	5000
	AT3051	15	1.23-1.5	600	1	300	5000
	AT3071	15	1.23-1.5	800	1	300	5000
	AT3012	10	1.23-1.5	250	1	300	5000
	AT3022	10	1.23-1.5	400	1	300	5000
	AT3052	10	1.23-1.5	600	1	300	5000
DIP-6/SMD-6 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.Terminal 5.NC 6.Terminal	AT3072	15	1.23-1.5	800	1	300	5000
	AT3013	5	1.23-1.5	250	1	300	5000
	AT3023	5	1.23-1.5	400	1	300	5000
	AT3053	5	1.23-1.5	600	1	300	5000
	AT3073	5	1.23-1.5	800	1	300	5000
DIP-5/SMD-5 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.GND 5.VCC	AT2011	15	1.23-1.5	250	1	300	5000
	AT2021	15	1.23-1.5	400	1	300	5000
	AT2051	15	1.23-1.5	600	1	300	5000
	AT2071	15	1.23-1.5	800	1	300	5000
DIP-5/SMD-5 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.GND 5.VCC	AT2022	10	1.23-1.5	250	1	300	5000
	AT2032	10	1.23-1.5	400	1	300	5000
	AT2052	10	1.23-1.5	600	1	300	5000
	AT2072	10	1.23-1.5	800	1	300	5000
DIP-5/SMD-5 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.GND 5.VCC	AT2013	5	1.23-1.5	250	1	300	5000
	AT2023	5	1.23-1.5	400	1	300	5000
	AT2053	5	1.23-1.5	600	1	300	5000
	AT2073	5	1.23-1.5	800	1	300	5000
DIP-7/SMD-7 »  Pin Configuration 1,4.NC 2. Anode 3.Cathode 5.T1 6.T2 8.T3	AT0223	30	1. 23-1. 5	400	1	300	5000
	AT1223	15	1. 23-1. 5	400	1	300	5000
	AT2223	10	1. 23-1. 5	400	1	300	5000
	AT3223	5	1. 23-1. 5	400	1	300	5000

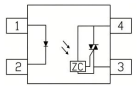
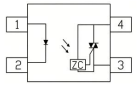
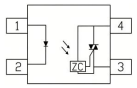
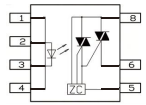
技术参数 Technical Specifications

Zero Crossing Type:ZC	Part Number	IFT(mA)	VF (V)	VDRM(V)	ITSM(A)	PC(mA)	Viso (Vrms)
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Terminal 4.Terminal	ATM3031	15	1.23-1.5	250	1	300	3750
	ATM3041	15	1.23-1.5	400	1	300	3750
	ATM3061	15	1.23-1.5	600	1	300	3750
	ATM3081	15	1.23-1.5	800	1	300	3750
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Terminal 4.Terminal	ATM3032	10	1.23-1.5	250	1	300	3750
	ATM3042	10	1.23-1.5	400	1	300	3750
	ATM3062	10	1.23-1.5	600	1	300	3750
	ATM3082	10	1.23-1.5	800	1	300	3750
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Terminal 4.Terminal	ATM3033	5	1.23-1.5	250	1	300	3750
	ATM3043	5	1.23-1.5	400	1	300	3750
	ATM3063	5	1.23-1.5	600	1	300	3750
	ATM3083	5	1.23-1.5	800	1	300	3750

技术参数 Technical Specifications

Zero Crossing Type:ZC	Part Number	IFT(mA)	VF (V)	VDRM(V)	ITSM(A)	PC(mA)	Viso (Vrms)
DIP-6/SMD-6 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.Terminal 5.NC 6.Terminal	AT3031	15	1.23-1.5	250	1	300	5000
	AT3041	15	1.23-1.5	400	1	300	5000
	AT3061	15	1.23-1.5	600	1	300	5000
	AT3081	15	1.23-1.5	800	1	300	5000
DIP-6/SMD-6 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.Terminal 5.NC 6.Terminal	AT3032	10	1.23-1.5	250	1	300	5000
	AT3042	10	1.23-1.5	400	1	300	5000
	AT3062	10	1.23-1.5	600	1	300	5000
	AT3082	10	1.23-1.5	800	1	300	5000
DIP-6/SMD-6 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.Terminal 5.NC 6.Terminal	AT3033	5	1.23-1.5	250	1	300	5000
	AT3043	5	1.23-1.5	400	1	300	5000
	AT3063	5	1.23-1.5	600	1	300	5000
	AT3083	5	1.23-1.5	800	1	300	5000
DIP-5/SMD-5 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.GND 5.VCC	AT2031	15	1.23-1.5	250	1	300	5000
	AT2041	15	1.23-1.5	400	1	300	5000
	AT2061	15	1.23-1.5	600	1	300	5000
	AT2081	15	1.23-1.5	800	1	300	5000
DIP-5/SMD-5 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.GND 5.VCC	AT2032	10	1.23-1.5	250	1	300	5000
	AT2042	10	1.23-1.5	400	1	300	5000
	AT2062	10	1.23-1.5	600	1	300	5000
	AT2082	10	1.23-1.5	800	1	300	5000
DIP-5/SMD-5 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.GND 5.VCC	AT2033	5	1.23-1.5	250	1	300	5000
	AT2043	5	1.23-1.5	400	1	300	5000
	AT2063	5	1.23-1.5	600	1	300	5000
	AT2083	5	1.23-1.5	800	1	300	5000

技术参数 Technical Specifications

Zero Crossing Type:ZC	Part Number	IFT(mA)	VF (V)	VDRM(V)	ITSM(A)	PC(mA)	Viso (Vrms)
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VCC	AT531	15	1.23-1.5	250	1	300	3750
	AT541	15	1.23-1.5	400	1	300	3750
	AT561	15	1.23-1.5	600	1	300	3750
	AT581	15	1.23-1.5	800	1	300	3750
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VCC	AT532	10	1.23-1.5	250	1	300	3750
	AT542	10	1.23-1.5	400	1	300	3750
	AT562	10	1.23-1.5	600	1	300	3750
	AT582	10	1.23-1.5	800	1	300	3750
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VCC	AT533	5	1.23-1.5	250	1	300	3750
	AT543	5	1.23-1.5	400	1	300	3750
	AT563	5	1.23-1.5	600	1	300	3750
	AT583	5	1.23-1.5	800	1	300	3750
DIP-7/SMD-7 »  Pin Configuration 1.Cathode 2.Anode 3.Cathode 4.Cathode 5.GND 6.MT2 8.MT1	AT0213	10	1.3	600	3	800	5000
	AT1213	10	1.3	600	6	800	5000
	AT2213	10	1.3	600	9	800	5000
	AT3213	10	1.3	600	12	800	5000

光继电器光耦

OPTICAL RELAY OPTOCOUPLER

固态继电器光耦是一种特殊的光电耦合器，通过光信号控制通断，由发光二极管、光电探测器与MOSFET组成，高效可靠，适用于现代电子系统。

A solid-state relay optocoupler is a specialized photoelectric coupler that controls switching via optical signals, consisting of an LED, photodetector, and MOSFET. It is efficient, reliable, and suitable for modern electronic systems.

产品特性 Product Features

- 具有良好的隔离性，输入端和输出端完全实现电隔离；
- 发光与光敏器件光谱匹配理想，响应迅速，传输效率高易于连接逻辑电路；
- 单方向传输光信号，有效地阻断电路的电气连接，但不会切断他们之间的信号传输；
- 安规认证：CQC/UL/VDE/SGS国网认证等；
- 产品认证：ROHS&REACH/无卤等；

- Having good isolation, the input and output terminals are completely electrically isolated;
- Ideal spectral matching between luminescent and photosensitive devices, fast response, high transmission efficiency, and easy connection to logic circuits;
- Unidirectional transmission of optical signals effectively blocks electrical connections in circuits, but does not cut off signal transmission between them;
- Safety certification: CQC/UL/VDE/SGS State Grid certification, etc;
- Product certification: ROHS&REACH/halogen-free, etc;

应用领域 Application field

- 汽车驱动电控系统
- 光伏逆变
- 电池检测

- Automotive Drive Electronic Control System
- Photovoltaic inverter
- Battery Testing

封装形式 Package form

DIP-4

SMD-4

DIP-6

SMD-6

DIP-8

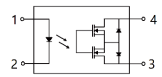
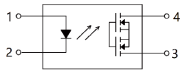
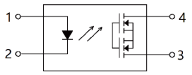
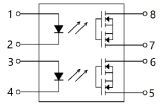
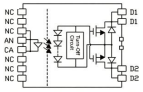
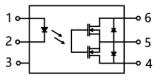
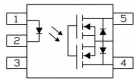
SMD-8

SOP-4

SSOP-4

WSOP-16

技术参数 Technical Specifications

Technical Specifications	Part Number	VF (V)	VL (AC)	IL (A)	Ton(mS)	Toff(mS)	Viso (Vrms)
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Drain1 4.Drain2	AT173	1.3-1.4	100	1.25	0.12-1	0.42-1	3750
SOP-4 »  Pin Configuration 1.Anode 2.Cathode 3.Drain1 4.Drain2	AT172	1.3-1.4	60	0.5	0.17-2	0.14-1	3750
	AT174	1.3-1.4	400	0.12	0.08-1	0.4-1	3750
	AT175	1.3-1.4	200	0.18	0.16-2	0.14-1	3750
	AT176	1.3-1.4	600	0.04	0.06-2	0.33-1	3750
	AT1722	1.3-1.4	60	2.0	1.2-5	0.5-1	3750
DIP-4/SND-4/DIP4-M »  Pin Configuration 1.Anode 2.Cathode 3.Drain1 4.Drain2	AT212	1.3-1.4	60	0.5	0.4-2	0.25-1	5000
	AT213	1.3-1.4	110	1.25	0.25-1	0.3-1	5000
	AT214	1.3-1.4	400	0.12	0.06-2	0.4-1	5000
	AT216	1.3-1.4	600	0.04	0.12-2	0.35-1	5000
DIP-8/SND-8 »  Pin Configuration 1.3. Anode 2.4. Cathode 5. Drain1 6. Drain2 7. Drain3 8. Drain4	AT222	1.3-1.4	60	0.5	0.4-2	0.25-1	5000
	AT223	1.3-1.4	110	1.25	0.25-1	0.3-1	5000
	AT224	1.3-1.4	400	0.12	0.06-2	0.4-1	5000
	AT226	1.3-1.4	600	0.04	0.12-2	0.35-1	5000
	AT227	1.3-1.4	200	0.18	0.36-2	0. 12-1	5000
WSOP-16 »  Pin Configuration 1.2.6.7.8. No connection 3. Do not connect(internally connected to Pin 5) 4.Anode5.Cathode 9.10. Drain 2(internally connected) 15.16. Drain 1(internally connected)	ATS258	1.3-1.5	1500	0.02	0.25-1.5	0.19-0.5	3750
DIP-6/SMD-6 »  Pin Configuration 1.Anode 2.Cathode 3.N/CO 4.Drain1 5.Source 6.Drain2	AT252	1.3-1.4	60	A:2 B:3 C:4	2.4-5	0.5-1	5000
	ATV252	1.3-1.5	60	A:3. 5 B:5. 0 C:7. 0	2.5-5	0.15-5	5000
	ATV253	1.3-1.4	100	0.12	0.6-2	0.03-1	5000
	ATV254	1.3-1.4	400	0.04	1.37-2	0.23-1	5000
SMD-5 »  Pin Configuration 1.AN 2.CA 3.NC/CO 4.D1 5.D2	ATY251	1.3-1.5	1500	0.02	0.3-1.5	0.28-0.5	5000
	ATY258A	1.3-1.5	1500	0.02	0.3-1.5	0.28-0.5	5000

高速光耦

HIGH SPEED OPTOCOUPLER

高速光耦是一种通过光信号实现电信号隔离与传输的光电转换器件，专为高速信号传输设计，快速响应、高精度，确保数字和模拟信号稳定传输。

High speed optocoupler is a photoelectric conversion device that isolates and transmits electrical signals through optical signals. It is designed specifically for high-speed signal transmission, with fast response and high precision, ensuring stable transmission of digital and analog signals.

产品特性 Product Features

- 体积小、驱动功率小、动作速度快、工作温度范围宽；
- 具有可单向传递信息、通频宽带、寄生反馈小、消噪能力强、抗电磁干扰性能好；
- 提供快速开关速度，进而降低停滞时间并提高移动效率和精密度，响应速度达到ns量级
- 安规认证：CQC/UL/VDE/SGS国网认证等；
- 产品认证：ROHS&REACH/无卤等；

- Small size, low driving power, fast action speed, wide working temperature range;
- It has the ability to transmit information unidirectionally, wide bandwidth, low parasitic feedback, strong noise reduction capability, and good anti electromagnetic interference performance;
- Provide fast switching speed, thereby reducing dead time and improving movement efficiency and precision, with response speed reaching the level of ns;
- Safety certification: CQC/UL/VDE/SGS State Grid certification, etc;
- Product certification: ROHS&REACH/halogen-free, etc;

应用领域 Application field

- 汽车驱动电控系统
- 仪器仪表
- 线路接收

- Automotive Drive Electronic Control System
- Instrumentation and meters
- Line reception

封装形式 Package form

DIP-4

SMD-4

DIP-6

SMD-6

DIP-8

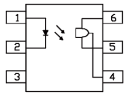
SMD-8

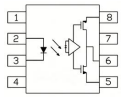
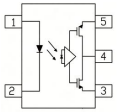
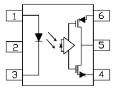
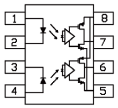
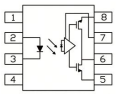
SOP-4

SSOP-4

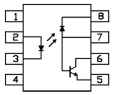
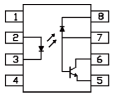
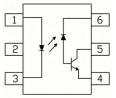
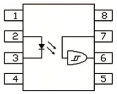
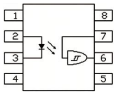
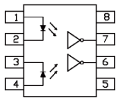
WSOP-16

技术参数 Technical Specifications

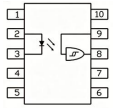
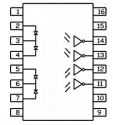
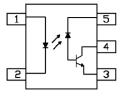
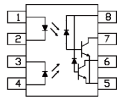
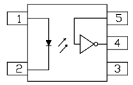
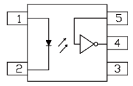
Technical Specifications	Part Number	Mbit/s	VCC (V)	Tr(us)	Tf(us)	IFon (mA)	IFoff (mA)	VF (V)	Viso (Vrms)
DIP-6/SMD-6 »  Pin Configuration 1.Anode 2.Cathode 3.NC 4.VO 5.GND 6.VCC	ATH11L1	2	15	0.1	0.1	1.6	1	1.24-1.5	5000
	ATH11L2	2	15	0.1	0.1	10	1	1.24-1.5	5000
	ATH11L3	2	15	0.1	0.1	5	1	1.24-1.5	5000

Technical Specifications	Part Number	Mbit/s	VCC (V)	Tr(us)	Tf(us)	TPLH (ns)	TPHL (ns)	CMR (kv/us)	Viso (Vrms)
DIP-8/SMD-8/SOP-8 »  Pin Configuration 1.AN 2.Anode 3.Cathode 4.NC 5.GND 6.VO 7.NC 8.VCC	ATN7720	15	5.5	30	30	55	55	10	5000
	ATN7721	25	5.5	9	8	40	40	10	5000
	ATN7723	50	5.5	8	6	22	22	10	5000
	ATC0720	15	5.5	30	30	55	55	10	3750
	ATC0721	25	5.5	9	8	40	40	10	3750
	ATC0723	50	5.5	8	6	22	22	10	3750
SOP-5 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VO 5.VCC	ATM720	15	5.5	30	30	55	55	10	3750
	ATM721	25	5.5	9	8	40	40	10	3750
	ATM723	50	5.5	8	6	22	22	10	3750
SOP6-P/SOP6-W »  Pin Configuration 1.Anode 2.NC 3.Cathode 4.GND 5.VCC 6.VO	ATW720	15	6.0	30	30	55	55	10	5000
	ATW721	25	6.0	9	8	40	40	10	5000
	ATW723	50	6.0	8	6	22	22	10	5000
SOP-8 »  Pin Configuration 1.Anode 1 2.Cathode 1 3.Cathode 2 4.Anode 2 5.GND 6.VO 2 7.VO 1 8.VCC	ATC74L	15	5.5	3.5	3.5	55	55	10	3750
	AT074L	15	6.0	20	25	50	50	10	3750
	AT075L	15	6.0	6	4	80	80	10	3750
	ATC64L	10	5.5	10	10	80	80	10	5000
WDIP-8/WSMD-8/WSOP-8 »  Pin Configuration 1.AN 2.Anode 3.Cathode 4.NC 5.VO 6.VCC 7.GND 8.VO	ATN261L	10	5.5	10	10	95	95	20	5000
	ATC261L	10	5.0	10	10	90	90	20	5000

技术参数 Technical Specifications

Technical Specifications	Part Number	Mbit/s	VCC (V)	Tr(us)	Tf(us)	TPLH (ns)	TPHL (ns)	CMR (kv/us)	Viso (Vrms)
DIP-8/SMD-8 »  Pin Configuration 1.NC 2.Anode 3.Cathode 4.NC 5.GND 6.VO 7.VB 8.VCC	AT6N135	1	30	5	50	2	1	10	5000
	AT6N136	1	30	15	50	2	1	10	5000
	ATN135	1	30	15	50	0.8	1	10	5000
	ATN136	1	30	15	50	0.8	0.8	10	5000
SOP-8/WSOP-8 »  Pin Configuration 1.NC 2.Anode 3.Cathode 4.NC 5.GND 6.VO 7.VB 8.VCC	AT0501	1	30	5	50	0.8	0.8	5	3750
	AT0511	1	30	15	50	0.8	0.8	5	3750
	ATC501	1	30	15	50	0.8	0.8	5	3750
	ATC511	1	30	15	50	0.8	0.8	5	3750
SOP6-P/SOP6-W »  Pin Configuration 1.Anode 2.NC 3.Cathode 4.GND 5.VO 6.VCC	ATW501	10	5.5	10	10	95	95	20	5000
	ATW511	10	5.0	10	10	90	90	20	5000
DIP-8/SMD-8 »  Pin Configuration 1.NC 2.Anode 3.Cathode 4. NC 5.GND 6.VO 7.VB 8. VCC	AT6N137	10	7. 0	30	10	41	50	5	5000
	ATN137	10	7. 0	30	10	41	50	5	5000
SOP-8 »  Pin Configuration 1.NC 2.Anode 3.Cathode 4. NC 5.GND 6.VO 7.VB 8. VCC	AT0601	10	5. 5	-	-	75	75	5	3750
	AT0611	10	5. 5	-	-	75	75	20	3750
	ATC601	10	5. 5	-	-	75	75	5	5000
	ATC611	10	5. 5	-	-	75	75	20	5000
SOP-8 »  Pin Configuration 1.Anode 1 2.Cathode 1 3.Cathode 2 4.Anode 2 5.GND 6.VO 2 7.VO 1 8.VCC	AT0630	10	5.5	-	-	75	75	5	3750
	AT0631	10	5.0	-	-	75	75	20	3750

技术参数 Technical Specifications

Technical Specifications	Part Number	Mbit/s	VCC (V)	Tr(us)	Tf(us)	TPLH (ns)	TPHL (ns)	CMR (kv/us)	Viso (Vrms)
WDIP10/WSMD10 »  Pin Configuration 1.NC 2.Anode 3.Cathode 4.NC 5.NC 6.GND 7.NC 8.VO 9.VE 10.VCC	AT2601	10	5.5	–	–	12	12	20	5000
WSOP-16 »  Pin Configuration 2,7. Anode 4,5. Cathode 1,3,6,8. NC 9. GND 16. VCC 10,15. NC 11. VO1 12. VO2 13. VO4 14. VO4	AT6N437	10	5.5	–	–	1	1	5	5000
SOP-5 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VO 5.VCC	ATM501	1	30	–	–	150	200	5	3750
	ATM511	1	30	–	–	150	200	15	3750
SOP-8 »  Pin Configuration 1.Anode 1 2.Cathode 1 3.Cathode 2 4.Anode 2 5.GND 6.VO 2 7.VO 1 8.VCC	AT0530	1	30	-	-	1.5	1.5	10	3750
	AT0531	1	30	-	-	0.8	0.8	10	3750
	AT0534	1	30	-	-	0.8	0.8	30	3750
SOP-5 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VO 5.VCC	ATM600	10	7. 0	40	10	41	50	–	3750
	ATN601	10	7. 0	40	10	41	50	5	3750
	ATM611	10	7. 0	40	10	41	50	20	3750
SOP-5 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VO 5.VCC	ATW601	10	5.5	–	–	0.1	0.1	5	3750
	ATW611	10	5.5	–	–	0.1	0.1	20	3750

栅极驱动光耦

IGBT DRIVE OPTOCOUPLER

IGBT驱动光耦是一种特殊设计的光电耦合器，专为IGBT设计的高效、稳定的驱动光耦，通过光电隔离技术避免电气噪声干扰。

IGBT driven optocoupler is a specially designed optocoupler designed for IGBT with high efficiency and stability. It avoids electrical noise interference through optoelectronic isolation technology.

产品特性 Product Features

- 栅极驱动光耦用于控制电路和高压之间，提供增强的电绝缘；
- 此类光耦适合驱动功率IGBT和MOSFET，较高的输出电压能达到功率器件的栅极电压驱动要求；
- 其抑制高共模噪声的能力可防止在高频开关期间功率半导体的误动作；
- 安规认证：CQC/UL/VDE/SGS国网认证等；
- 产品认证：ROHS&REACH/无卤等；

- Gate driven optocouplers are used to provide enhanced electrical insulation between control circuits and high voltages;
- This type of optocoupler is suitable for driving power IGBT and MOSFET, and the higher output voltage can meet the gate voltage driving requirements of power devices;
- Its ability to suppress high common mode noise can prevent the misoperation of power semiconductors during high-frequency switching;
- Safety certification: CQC/UL/VDE/SGS State Grid certification, etc;
- Product certification: ROHS&REACH/halogen-free, etc;

应用领域 Application field

- 伺服电机
- 工业变频器
- 电力控制

- Servo motor
- Industrial frequency converter
- Power control

封装形式 Package form

DIP-6

SMD-6

DIP-8

SMD-8

SOP-4

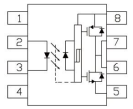
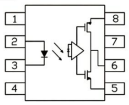
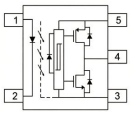
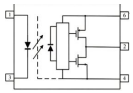
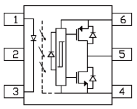
SOP-5

SOP6-W

SOP6-P

WSOP-16

技术参数 Technical Specifications

Technical Specifications	Part Number	IO (REAK)	IFLH (mA)	VCC-VSS (V)	TPLH (ns)	TPHL (ns)	CMR (kv/us)	Viso (Vrms)
DIP-8/SMD-8/DIP8-M »  Pin Configuration 1.4.NC 2.Anode 3.Cathode 5.VEE 6.VO2 7.VO1 8.VCC	AT3150	0.6	5	30	0.5	0.5	35	5000
	AT3120	3	5	30	0.4	0.4	35	5000
	AT0314	0.6	7	30	0.7	0.7	25	3750
	AT0341	3	4	30	0.2	0.2	35	3750
	AT0343	4	4	30	0.5	0.5	35	3750
	ATN3120	2	8	35	0.5	0.5	35	5000
	ATN3150	0.6	5	30	0.5	0.5	35	5000
DIP-8/SMD-8/DIP8-M »  Pin Configuration 1. 4. NC 2. Anode 3. Cathode 5. VEE 6. VO 7. NC 8. VCC	AT350	2.5	5	30	0.4	0.4	25	5000
	ATN350	2.5	5	30	0.4	0.4	25	5000
SOP-5 »  Pin Configuration 1.Anode 2.Cathode 3.VSS 4.VO 5.VDD	ATM341	3	4	30	0.2	0.2	35	3750
	ATM343	4	4	30	0.2	0.2	35	3750
SOP-5 »  Pin Configuration 1.Anode 2.Cathode 3.VEE 4.VO 5.VCC	AT155	0.6	7.5	30	170	200	20	3750
SOP6-W/SOP6-P »  Pin Configuration 1.Anode 2.NC 3.Cathode 4.VSS 5.VO 6.VDD	AT314	0.6	7	30	0.7	0.7	35	5000
	AT340	1	4	30	0.2	0.2	35	5000
	AT341	3	4	30	0.2	0.2	35	5000
	AT343	4	4	30	0.2	0.2	35	5000

智能栅极驱动光耦

INTELLIGENCE IGBT DRIVE OPTOCOUPLER

智能栅极驱动光耦是一种高度集成的功率控制器件，它将TTL输入逻辑电平允许与微控制器直接接口，输出I为IGBT提供局部保护，以防止过流期间产生损坏，第二个光链路为微控制器提供完全隔离的故障状态反馈信号。内置“看门狗"电路监测电源电压，以防止IGBT 出现栅极驱动电压不足的现象。这种集成IGBT 栅极驱动器旨在提高电机驱动器的性能和可靠性。

Intelligent gate driven optocoupler is a highly integrated power control device that allows TTL input logic level to interface directly with the microcontroller. The output I provides local protection for IGBT to prevent damage during overcurrent, and the second optical link provides completely isolated fault status feedback signal for the microcontroller. The built-in "watchdog" circuit monitors the power supply voltage to prevent IGBT from experiencing insufficient gate drive voltage. This integrated IGBT gate driver aims to improve the performance and reliability of motor drivers.

产品特性 Product Features

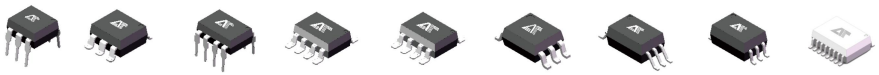
- 相对于栅极驱动光耦，智能IGBT栅极驱动光耦包含各种保护功能；
- 有源米勒钳和故障输出功能，以保护 IGBT免受逆变器和其他电路产生的电流；
- 安规认证：CQC/UL/VDE/SGS国网认证等；
- 产品认证：ROHS&REACH/无卤等；

- Compared to gate driven optocouplers, intelligent IGBT gate driven optocouplers include various typesProtection function;
- Active Miller clamp and fault output function to protect IGBT from inverter andCurrent generated by other circuits;
- Safety certification: CQC/UL/VDE/SGS State Grid certification, etc;
- Product certification: ROHS&REACH/halogen-free, etc;

应用领域 Application field

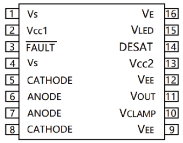
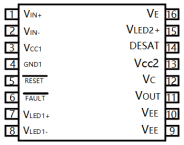
- 工业逆变器及 UPS 电源等
  Industrial inverters and UPS power supplies, etc
- IGBT和功率 MOS隔离驱动(比如大功率电源板)
  IGBT and power MOS isolated drive (such as high-power power boards)
- 无刷电机驱动(比如工业应用:电梯马达、水泵等)
  Brushless motor drive (such as industrial applications: elevator motors, water pumps, etc.)

封装形式 Package form



DIP-6 SMD-6 DIP-8 SMD-8 SMD-8 SOP-5 SOP6-W SOP6-P WSOP-16

技术参数 Technical Specifications

Technical Specifications	Part Number	IFON (mA)	VCC2-VEE (V)	IOH (A)	IOL (A)	TPLH (ns)	TPHL (ns)	CMR (kv/us)	Viso (Vrms)
WSOP-16 » 	AT330J	7-16	0-15	1.5	1.5	50-250	50-250	15	5000
	AT331J	7-16	-0.5-35	1.5	1.5	50-250	50-250	15	5000
	AT332J	7-16	15-30	2.5	2.5	50-250	50-250	50	5000
	AT333J	7-16	-0.5-35	2.5	2.5	50-250	50-250	50	5000
WSOP-16 » 	AT316J	-	15-30	2.5	2.5	100-500	100-500	15-30	5000

智能功率模块化接口光耦

SMART POWER MODULE MODULAR INTERFACE OPTOCOUPLER

智能功率模块化接口光耦是专为IPM模块设计的高端光电耦合器，实现信号之间的高效电气隔离，确保IPM模块在运行时的高效、稳定和可靠性，为系统的持续稳定驱动提供有力保障。

The intelligent power module modular interface optocoupler is a high-end photoelectric coupler specifically designed for IPM modules, achieving efficient electrical isolation between signals. It ensures the high efficiency, stability, and reliability of IPM modules during operation, providing robust support for the continuous and stable driving of the system.

产品特性 Product Features

- 拥有短传播延迟、快速IGBT开关；
- 高共模瞬变抑制能力和宽工作温度范围；
- 智能功率模块化接口光耦一般是具有CMR的智能功率模块化的门级驱动接口光耦；
- 安规认证：CQC/UL/VDE/SGS国网认证等；
- 产品认证：ROHS&REACH/无卤等；

- Having short propagation delay and fast IGBT switch;High common mode transient suppression capability and wide operating temperature range;
- Intelligent power modular interface optocouplers are generally gate level drive interface optocouplers with CMR;
- Safety certification: CQC/UL/VDE/SGS State Grid certification, etc;
- Product certification: ROHS&REACH/halogen-free, etc;

应用领域 Application field

- 通用数字隔离
  Universal digital isolation
- 工业变频器
  Industrial frequency converter
- IPM接口隔离（比如家用电器：空调、洗衣机等）
  IPM interface isolation (such as household appliances: air conditioning, washing machines, etc.)

封装形式 Package form

DIP-6

SMD-6

DIP-8

SMD-8

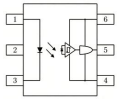
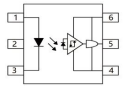
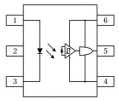
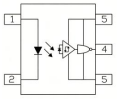
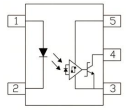
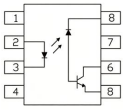
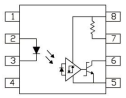
SOP-4

SOP-5

SOP6-W

SOP6-P

技术参数 Technical Specifications

Technical Specifications	Part Number	IFON (mA)	VSS (V)	VO (V)	TPLH (ns)	TPHL (ns)	CMR (kv/us)	Viso (Vrms)
SOP6-P/SOP6-W »  Pin Configuration 1.Anode 2.NC 3.Cathode 4.GND 5.VO 6.VCC	AT480	2.5-5.0	25	-0.5-25	110-350	150-350	20	5000
SOP-5 »  Pin Configuration 1.Anode 2.NC 3.Cathode 4.GND 5.VO 6.VCC	ATM480	2.5-5.0	25	-0.5-25	150-350	150-350	20	3750
SOP6-P/SOP6-W »  Pin Configuration 1.Anode 2.NC 3.Cathode 4.GND 5.VO 6.VCC	AT481	3.5-5.0	25	-0.5-25	100-350	100-350	20	5000
SOP-5 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VO 5.VCC	ATM481	3.5-5.0	25	-0.5-25	100-350	100-350	20	3750
SOP-5 »  Pin Configuration 1.Anode 2.Cathode 3.GND 4.VO 5.VCC	ATM456	0.96-5.0	30	-0.5-25	300-400	220-650	15-30	3750
DIP-8/SMD-8 »  Pin Configuration 1.NC 2.Anode 3.Cathode 4.NC 5.GND 6.VO 7.NC 8.VCC	AT4504	8-16	-0.5-30	-0.5-20	300-800	200-700	15-30	5000
	ATC4504	8-16	-0.5-30	-0.5-20	300-800	200-700	15-30	5000
	ATN4504	8-16	-0.5-30	-0.5-20	300-800	200-700	15-30	5000
DIP-8/SMD-8 »  Pin Configuration 1.NC 2.Anode 3.Cathode 4.NC 5.GND 6.O 7.VL 8.VCC	AT4506	8-16	-0.5-30	-0.5-20	300-800	200-700	15-30	5000
	ATC4506	8-16	-0.5-30	-0.5-20	300-800	200-700	15-30	5000
	ATN4506	8-16	-0.5-30	-0.5-20	300-800	200-700	15-30	5000

光隔离运算放大器

OPTICAL ISOLATION OPERATIONAL AMPLIFIER

光隔离运算放大器的输入与输出级间可以承受5000V以上的绝缘电压，适用于各种逆变器产品及带马达的产品

The input and output stages of the optically isolated operational amplifier can withstand insulation voltages of over 5000V, making it suitable for various inverter products and products with motors

产品特性 Product Features

- 输入与输出级间可以承受5000V以上的绝缘电压；
- 抗干扰能力强、工作稳定、无触点、使用寿命长、传输速率高；
- 信号单向传输，输入端与输出端完全实现电气隔离，输出信号对输入端无影响；
- 安规认证：CQC/UL/VDE/SGS国网认证等；
- 产品认证：ROHS&REACH/无卤等；

- The insulation voltage between the input and output stages can withstand over 5000V;
- Strong anti-interference ability, stable operation, contactless, long service life, and high transmission rate;
- Unidirectional transmission of signals, complete electrical isolation between input and output terminals, and no impact of output signals on input terminals;
- Safety certification: CQC/UL/VDE/SGS State Grid certification, etc;
- Product certification: ROHS&REACH/halogen-free, etc;

应用领域 Application field

- 信号采集（马达相位、线路电压/电流等）
  Signal acquisition (motor phase, line voltage/current, etc.)
- 带马达的产品（检测马达相位和线路接收）
  Products with motors (detecting motor phase and line reception)
- 逆变器产品（线路过流检测等）
  Inverter products (line overcurrent detection, etc.)

封装形式 Package form

DIP-6

SMD-6

DIP-8

SMD-8

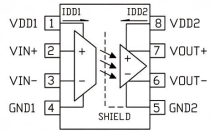
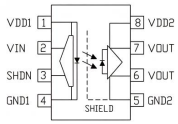
SOP-4

SOP-5

SOP6-W

SOP6-P

技术参数 Technical Specifications

Technical Specifications	Part Number	Gain Error (MAX %)	Nonlinear (Typ %)	Band width (KHZ)	VDD (V)	CMR (kv/us)	Viso (Vrms)
DIP-8/WSOP-8 » 	AT7840	±5	0.0037	100	5.5	10	5000
	ATC790	±3	0.05	200	5.5	10	5000
	ATC79A	±1	0.05	200	5.5	10	5000
	ATC79B	±0.5	0.05	200	5.5	10	5000
	ATH790	±3	0.05	200	5.5	15	5000
WSOP-8 » 	ATC87AT	±1	0.05	100	5.5	10	5000
	ATC87BT	±0.5	0.05	100	5.5	10	5000

晶体管光耦品牌型号对应参照表

Refer To The Corresponding Reference Table For Transistor Optocoupler Brand And Model

Input Type:DC

奥特 AOTE	安华高 AVAGO	安森美 Onsemi	仙童 FAIRCHILD	东芝 TOSHIBA	松下 PANASONIC	夏普 SHARP	瑞萨 RENESA	威世 VISHAY	光宝 LITEON	亿光 EVERLIGHT	冠西 COSMO	奥伦德 ORIENT	兆龙 CT MICRO	华联 HUALIAN	安数光 ISOCOM
AT816	–	–	–	TLP185 TLP421 TLP521 TLP621 TLP781 TLP785	–	PC816 PC1231	PS2561	–	LTV-816	EL816	–	OR-816 ORPC-816	CT816	–	–
AT826	–	MOCD207	–	TLP521-2 TLP621-2 TLP628-2 TLP629-2	–	–	–	–	–	–	–	–	–	–	–
AT817	HCPL-817	–	H11A617 FOD617 H11A817 FOD817	TLP421 TLP521 TLP621 TLP781 TLP785	CNC1S101 CNC1S171	PC817 PC120 PC121 PC123 PC1231	PS2561L1 PS2561L2 PS2572 PS2581L1 PS2581L2 PS2501(L)-1 PS2561(L)-1 PS2571(L)-1 PS2581Lx-1	K817P SFH610A SFH6106 SFH615A SFH6156 SFH617A SFH618A SFH6186 TCET1100 TCET1109 VO615C VO610A VO617A	LTV-817	EL817	K1010	OR-817 ORPC-817	CT817	HPC9221	–
AT827	ACPL-827	–	MCT6 MCT61 MCT62 MCT9001	TLP521-2 TLP621-2	–	PC827	PS2501(L)-2 PS2561(L)-2 PS2571(L)-2 PS2581Lx-2	ILD615 ILD621 ILD621GB	LTV-827	EL827	KP1020	ORPC-827	CT827	–	–
AT101x	–	–	FODM100x	TLP383 TLP385	–	–	PS2381-1	VOL617A VOL618A TCLT101X	LTV-100x LTV-101x	EL101x	KT101T KT101W KT101Z	OR100x OR101x	CT101x	HPC101x	–
AT357	HCPL-181	–	FODM121 FODM124 FODM2701	TLP181 TLP183 TLP185	–	PC356 PC357 PC367	PS2701-1 PS2711-1 PS2761-1	VOMA617A TCMT1107	LTV-356T LTV-357T	EL356 EL357 EL357N	KPC357NT	OR-357	CT185 CT357	–	–
AT3H7	ACPL-217	HMHA2801	FODM217 HMHA281 HMHA2801	TLP281 TLP285 TLP291 TLP293	–	PC3H2 PC3H3 PC3H7 PC3HU7	PS2801-1 PS2811-1 PS2861-1	VOS615A VOS617A VOS618A TCMT110x	LTV-217	EL3H7	KPS2801	OR-3H7	CTH217	–	–
AT3H74	ACPL-247	–	–	TLP281-4 TLP285-4 TLP291-4 TLP293-4	–	PC3Q67Q	PS2801-4 PS2811-4	TCMT4100 TCMT4106	LTV-247	ELQ3H7	–	OR-247	–	–	IS281-4
AT8801	–	–	FODM8801	TLX9291	–	–	–	–	LTV-2D1	–	–	–	–	–	–
AT127	–	–	–	TLX9185	–	–	–	–	–	–	–	–	–	–	–
AT851	–	–	–	TLP628M	–	PC851	–	SFH614A PS2513-1 PS2513L-1	LTV-851	EL851	KP1210	ORPC-851	–	–	–
AT4N25	4N25 CNY17-1 CNY17-2	–	4N25M	4N25 TLP531	–	–	–	SFH601-x 4N25	4N25 CNY17-1 CNY17-2	4N25 H11A2 H11A3 H11A4 CNY17-1	K2010	OR-4N25	–	–	–
AT4N35	4N35 CNY17-3 CNY17-4	MOC8102	4N35M	4N3X	–	–	–	4N35	4N35 CNY17-3 CNY17-4	CNY17-2 4N35 H11A1 H11A5 CNY17-3 CNY17-4	–	OR-4N35	–	–	–

晶体管光耦品牌型号对应参照表

Refer To The Corresponding Reference Table For Transistor Optocoupler Brand And Model

Input Type:AC

奥特 AOTE	安华高 AVAGO	安森美 Onsemi	仙童 FAIRCHILD	东芝 TOSHIBA	松下 PANASONIC	夏普 SHARP	瑞萨 RENESA	威世 VISHAY	光宝 LITEON	亿光 EVERLIGHT	冠西 COSMO	奥伦德 ORIENT	兆龙 CT MICRO	华联 HUALIAN	安数光 ISOCOM
AT814	HCPL-814	–	FOD814 H11AA814	TLP185 TLP320 TLP620 TLP626	–	PC814	PS2505(L)-1 PS2565(L)-1	SFH620A SFH6206 SFH628A SFH6286	LTV-814	EL814	K3010	OR-814	CT814	–	–
AT354	HCPL-354	–	FODM2705	TLP120 TLP124 TLP126 TLP180 TLP182	–	PC354 PC364	PS2705-1 PS2715-1 PS2765-1	SFH691AT	LTV-354T	EL354	KPC354NT	OR354	–	–	–
AT3H4	ACPL-214	–	FODM214	TLP280 TLP290 TLP292	–	PC3H4	PS2805-1 PS2865-1	VOS627 VOS628A TCMT1600	LTV-214	EL3H4	KPS2805	OR-3H4	–	–	–
AT3H44	ACPL-244	–	–	TLP280-4 TLP290-4 TLP292-4	–	–	PS2805-4 PS2845-4	TCMT4600 TCMT4606	LTV-244	ELQ3H4	–	–	–	–	–

达林顿光耦品牌型号对应参照表

Darlington Optocoupler Correspondence Reference Table

奥特 AOTE	安华高 AVAGO	仙童 FAIRCHILD	东芝 TOSHIBA	夏普 SHARP	瑞萨 RENESA	威世 VISHAY	光宝 LITEON	亿光 EVERLIGHT	冠西 COSMO	奥伦德 ORIENT
AT215	–	–	–	PC3H5	PS2802-1	TCMD1000	LTV-215	–	–	OR-3H5
AT415	–	–	–	–	PS2702-1	–	LTV-355T	–	KPC355	–
AT815	–	FOD815	–	PC815	PS2502-1 PS2562-1	K815P TCED1100	LTV-815	EL815	KPC815	ORPC-815
AT825	–	–	–	PC825	PS2502-2	K825P TCED2100	LTV-825	EL825	–	ORPC-825
AT452	–	FODM352	TLP127 TLP187	PC352 PC452	PS2732-1 PS2933-1	SFH692AT	LTV-352T	EL452	KPC452 KPS2832	OR-352
AT852	–	FOD852	TLP627	PC852	PS2532-1 PS2533-1 PS2535-1	SFH619A	LTV-852	EL852	–	ORPC-852
AT4N29 AT4N33	–	4N29M 4N30M 4N32M 4N33M	–	–	–	4N32 4N33	–	4N29 4N30 4N31 4N32 4N33	–	OR-4N29 OR-4N30 OR-4N31 OR-4N32 OR-4N33

光继电器品牌型号对应参照表

Reference Table for Brands and Models of Optical Relays

奥特 AOTE	安华高 AVAGO	欧姆龙 OMRON	东芝 TOSHIBA	松下 PANASONIC	瑞萨 RENESA	威世 VISHAY	亿光 EVERLIGHT	拓纬 TOWARD	冠西 COSMO	华联 HUALIAN	奥伦德 ORIENT
AT172-2	-	-	TLP3122A	AQY212GSX	-	-	-	-	-	-	-
AT172	ASSR-1218 ASSR-1410	G3VM-41GR5 G3VM-41GR6 G3VM-61G2	TLP170A TLP171A TLP172A TLP175 TLP176A TLP3110 TLP3114 TLP3115 TLP3122A	AQY212 AQY221 AQY232	-	VO1400AEF	-	AB37S	KAQY212S	HSSR-DA05-02 HSSR-S1A05-2	-
AT173	-	-	TLP3111 TLP3118 TLP3119 TLP3121	-	-	-	-	-	-	-	-
AT174	ASSR-4110	G3VM-201G2 G3VM-351G G3VM-351G1 G3VM-401G G3VM-401G1	TLP170G TLP171GA TLP172G TLP174G TLP174GA TLP176G TLP176GA	AQY210S AQY214S	PS7241E-1A	LH1546AEF	ELM4401 ELM440A	AB26S AB30S	KAQY210S KAQY214S	-	OR-M440A
AT176	-	G3VM-601G	TLX9175				ELM460A	-	-	-	OR-M460A
AT212-2	-	-	TLP221A TLP355S	AQY211EH AQY211EHA	-	-	-	-	-	-	-
AT212	-	G3VM-61AY1/DY1	TLP220A TLP222A TLP225A TLP227A TLP240A	AQY211EHA AQY212EH AQY212EHA	-	LH1546AD VOR1142	EL406A	AB37 AB37F	KAQY212 KAQY212A	HSSR-41A05 HSSR-41A05-2	OR-406A
AT213	-	-	TLP3556	-	-	-	-	-	-	-	-
AT214	-	G3VM-2L/2FL G3VM-351AY1/DY1 G3VM-401AY1/DY1	TLP220G TLP222G TLP224G TLP224GA TLP227G TLP228G	AQY210EH AQY210EHA AQY214EH AQY214EHA	-	LH1546ADF	EL440A	AB30 AB30F	KAQY210 KAQY210A KAQY214 KAQY214A	HSSR-41A01 HSSR-41A01-2	OR-440A OR-840A
AT216	-	-	-	-	-	-	EL460A	-	-	-	OR-460A
AT222-2	ASSR-1520	-	-	-	-	-	-	-	-	-	-
AT222	ASSR-1228 ASSR-1420	G3VM-62C1/F1	TLP202A TLP222A-2 TLP227A-2	AQW212 AQW212A	-	-	-	AC37 AC37F	KAQW212 KAQW212A	HSSR-DA05 HSSR-DA05-2	-
AT223	-	-	-	AQW215 AQW215A AQW225N AQW225NA	-	-	-	-	-	-	-
AT224	ASSR-4120 ASSR-4128	G3VM-352C/F G3VM-WL/WFL	TLP220GA TLP222G-2 TLP224G-2 TLP224GA-2 TLP227G-2 TLP227GA TLP227GA-2	AQW210 AQW210A AQW214 AQW214A AQW224N AQW224NA AQW227N AQW227NA	-	-	-	AC30 AC30F AC38F	KAQW210 KAQW210A	HSSR-DA01 HSSR-DA01-2	OR-840A
AT226	-	-	-	AQW216 AQW216A	-	-	EL860	-	-	-	OR-860A
ATY258	-	-	-	AQV258	-	-	-	-	-	-	-
ATY259	-	-	-	-	-	VO14642	-	-	-	-	-
ATV252	-	-	TLP3102 TLP3543	-	-	-	EL606A	-	-	-	-
ATV254	-	-	TLP592G TLP597G TLP597GA TLP797GA	-	-	LH1550AAB1 LH1550AT1	EL640A	-	KAQV214 KAQV214A	-	-
ATV25A	-	-	-	-	-	-	EL660A	-	KAQV216 KAQV216A	HSSR-61A01 HSSR-61A01-2	-
ATS258	QCPL-A58JV	-	TLX9160T	-	-	-	-	-	-	-	OR-5211

高压可控硅光耦品牌型号对应参照表

High voltage thyristor optocoupler brand and model corresponding reference table

奥特 AOTE	安森美 Onsemi	仙童 FAIRCHILD	东芝 TOSHIBA	松下 PANASONIC	夏普 SHARP	瑞萨 RENESA	威世 VISHAY	光宝 LITEON	亿光 EVERLIGHT	冠西 COSMO	奥伦德 ORIENT	兆龙 CT MICRO
ATM301x	-	FODM3010 FODM3011 FODM3012	-	-	-	-	-	-	-	-	-	-
ATM3020	-	FODM3020	-	-	-	-	-	LTV-3020	-	-	-	-
ATM3021	-	FODM3021	-	-	-	-	-	LTV-3021	-	-	-	-
ATM3022	-	FODM3022	TLP160G	-	-	-	-	LTV-3022	ELM3022	-	-	-
ATM3023	-	FODM3023	-	-	-	-	-	LTV-3023	ELM3023	-	-	-
ATM304x	-	-	-	-	-	-	-	-	ELM3042 ELM3043	-	-	-
ATM3051	-	FODM3051	-	-	-	-	-	LTV-3051		-	-	-
ATM3052	-	FODM3052	TLP165J	-	S2S3A00F S2S5A00F S2S5FA0F	-	VOM3052	LTV-3052	ELM3052	-	-	-
ATM3053	-	FODM3053	TLP265J	-	-	-	VOM3053 VOM160	LTV-3053	ELM3053	-	-	-
ATM3061	-	FODM3061	-	-	-	-	-	LTV-3061		-	-	-
ATM3062 ATM3063 ATM3081	-	FODM3062 FODM3063 FODM3081	TLP161J TLP163J TLP166J TLP266J	-	S2S4A00F	-	-	LTV-3062 LTV-3063 LTV-3081	ELM3062 ELM3063	-	-	-
ATM3082	-	FODM3082	-	-	-	-	-	LTV-3082	ELM3082	-	-	-
ATM3083	-	FODM3083	-	-	-	-	VOT8024AM	LTV-3083	ELM3083	-	OR-MOC308x	-
AT552	-	-	-	-	PC3SH11YFZAF	-	-	-	-	-	-	-
AT553	-	-	-	-	PC3SH11YFZBF	-	-	-	-	-	-	-
AT562	-	-	-	-	PC3SH21YFZB S21ME6	-	-	-	-	-	-	-
AT563	-	-	-	-	PC3SH21YFZC	-	-	-	-	-	-	-
AT583	-	-	-	-	-	-	VOT8024	-	-	-	-	-
AT2020	-	-	TLP3020	-	-	-	-	-	-	-	-	-
AT2021	-	-	TLP3021	-		-	-	-	-	-	-	-
AT2022	-	-	TLP3022 TLP560G	-	PC2SD11	-	-	-	-	-	-	-
AT2023	-	-	TLP665G TLP3023	-	S11MD7T S11MD9T	-	-	-	-	-	-	-
AT2041	-	-	TLP3041	-		-	-	-	-	-	-	-
AT2042	-	-	TLP561G TLP666G TLP3042	-	S11MD4T S11MD5T	-	-	-	-	-	-	-
AT2043	-	-	TLP3043	-	S11MD8T	-	-	-	-	-	-	-
AT2052	-	-	TLP560J TLP665J	-		-	-	-	-	-	-	-
AT2053	-	-	TLP762J	-	S21MD7T S21MD9T	-	-	-	-	-	-	-
AT2061	-	-	TLP3061	-	PC3SD11NTZCF	-	-	-	-	-	-	-
AT2062	-	-	TLP561J TLP663J TLP666J TLP763J TLP3062	-	-	-	-	-	-	-	-	-
AT2063	-	-	TLP3063	-	S21MD8T PC3SD21NTZBF PC3SD21NTZCF	-	-	-	-	-	-	-
AT2081	-	-	TLP3081	-		-	-	-	-	-	-	-
AT2082 AT2083	-	-	TLP3082 TLP669L TLP666L TLP3083	-	-	-	-	-	-	-	-	-
AT3010	MOC3010M	-	-	-	-	-	-	-	-	-	-	-
AT3011	MOC3011M	-	-	-	-	-	-	-	-	-	-	-
AT3012	MOC3012M	-	-	-	-	-	-	-	-	-	-	-
AT3020	MOC3020M	-	-	-	-	-	VO3020	MOC3020	EL3020	-	OR-MOC3020	-
AT3021	MOC3021M	-	-	-	-	-	VO3021	MOC3021	EL3021	KMOC3021	OR-MOC3021	-
AT3022	MOC3022M	-	-	-	-	-	VO3022	MOC3022	EL3022	KMOC3022	OR-MOC3022	-
AT3023	MOC3023M	-	-	-	-	-	VO3023	MOC3023	EL3023	KMOC3023	OR-MOC3023	CT3023

高压可控硅光耦品牌型号对应参照表

High voltage thyristor optocoupler brand and model corresponding reference table

奥特 AOTE	安森美 Onsemi	仙童 FAIRCHILD	东芝 TOSHIBA	松下 PANASONIC	夏普 SHARP	瑞萨 RENESA	威世 VISHAY	光宝 LITEON	亿光 EVERLIGHT	冠西 COSMO	奥伦德 ORIENT	兆龙 CT MICRO
AT303x	MOC3031M MOC3032M MOC3033M	—	—	—	—	—	—	—	EL3031 EL3032 EL3033	—	—	—
AT3041	MOC3041M	—	—	—	—	—	—	MOC3041	EL3041	KMOC3041	ORMOC3041	—
AT3042	MOC3042M	—	—	—	S11MD4V	—	—	MOC3042	EL3042	KMOC3042	OR-MOC3042	—
AT3043	MOC3043M	—	—	—	—	—	—	MOC3043	EL3043	KMOC3043	OR-MOC3043	—
AT3051	MOC3051M	—	TLP3051	—	S21MD3V	—	—	—	EL3051	KMOC3051	OR-MOC3051	—
AT3052	MOC3052M	—	TLP3052 TLP748J	APT1222W	—	—	VO3052	—	EL3052	KMOC3052	OR-MOC3052	—
AT3053	MOC3053M	—	TLP548J	—	—	—	VO3053	—	EL3053	KMOC3053	OR-MOC3053	—
AT3061	MOC3061M	—	—	—	S21MD3V S21MD4V	—	—	MOC3061	EL3061	KMOC3061	OR-MOC3061	—
AT3062	MOC3062M	—	—	APT1212W APT1232W	S21ME8F	—	VO3062	MOC3062	EL3062	KMOC3062	OR-MOC3062	—
AT3063	MOC3063M	—	—	—	S21ME3 S21ME4	—	VO3063	MOC3063	EL3063	KMOC3063	OR-MOC3063	—
AT3081	MOC3081M	—	—	—	—	—	—	—	EL3081	—	—	—
AT3082	MOC3082M	—	—	—	—	—	—	—	EL3082	—	OR-MOC3082	—
AT3083 AT0213	MOC3083M	—	—	AQH0213	—	—	—	LTV-0213	EL3083 ELR0213	—	OR-MOC3083	—
AT1213	—	—	—	AQH1213	PR26MF21 PR36MF21	—	—	LTV-1213	ELR1213	—	—	CTT-1213
AT2213	—	—	—	AQH2213	PR29MF21	—	—	LTV-2213	ELR2213	—	—	—
AT3213	—	—	—	AQH3213	—	—	—	LTV-3213	ELR3213	—	—	—
AT0223	—	—	—	AQH0223	PR23MF11	—	—	LTV-0223	ELR0223	—	OR-MOC0223	CTT-0223
AT1223	—	—	—	AQH1223	—	—	—	LTV-1223	ELR1223	—	OR-MOC1223	—
AT2223	—	—	—	AQH2223	PR39MF51	—	—	LTV-2223	ELR2223	—	OR-MOC2223	—
AT3223	—	—	—	AQH3223	—	—	—	LTV-3223	ELR3223	—	OR-MOC3223	—

高速光耦品牌型号对应参照表

High speed optocoupler brand and model corresponding reference table

奥特 AOTE	安华高 AVAGO	安森美 Onsemi	仙童 FAIRCHILD	东芝 TOSHIBA	夏普 SHARP	瑞萨 RENESA	威世 VISHAY	光宝 LITEON	亿光 EVERLIGHT	冠西 COSMO	奥伦德 ORIENT	兆龙 CT MICRO	安数光 ISOCOM
ATH11L1	—	H11L1	—	—	—	—	—	H11L1	H11L1	—	H11L1	—	H11L1 H11L1SM
AT7720	—	—	—	TLP2962	—	—	—	—	—	—	—	—	—
ATM720	ACPL-M60L ACPL-M61L	—	—	TLP2361 TLP2366	—	—	—	—	—	—	—	—	—
ATM721	ACPL-M21L	—	—		—	—	—	—	—	—	—	—	—
ATW720	ACPL-W70L	—	—	TLP2710 TLP2761	—	—	—	—	—	—	—	—	—
ATW721	—	—	—	TLP2768A	—	—	—	—	—	—	—	—	—
ATC64L	ACPL-K64L	—	—	—	—	—	—	—	—	—	—	—	—
ATM501	HCPL-453	FODM452 FODM453	—	TLP109 TLP112A TLP114A	PC457L0NIP0F KPC457	PS8302L	VOM452	LTV-M501	ELM452	—	—	—	—
ATRM511	ACPL-M43U ACPL-M50L HCPL-M452	—	—	TLP2309	PC457L0NIP0F KPC457	PS8101	VOM453	—	ELM453 ELM453L	—	—	CTM453	—
ATM600	HCPL-M453 HCPL-M600	—	—	—	—	—	—	—	ELM600	—	—	—	—
ATM601	HCPL-M601	—	—	—	PC410L0NIP0F	—	—	LTV-M601	ELM601	—	—	—	—
ATM611	HCPL-M611 ACPL-M61M ACPL-M60L	FODM611	—	TLP118 TLP2168 TLP2362	—	PS9113 PS9114 PS9117A PS9121 PS9122 PS9124	—	LTV-M456	ELM611	—	—	—	—
ATW600	—	—	—	TLP2761	—	—	—	—	—	—	—	—	—
ATW601	ACPL-W60L	—	—	—	—	—	—	—	—	—	—	—	—
ATW611	—	—	—	—	—	—	—	LTV-60L	—	—	OR-60L	—	—
ATW501	ACPL-W454 ACPL-W50L	—	—	TLP719	—	PS8302	—	—	—	—	—	—	—
ATW511	—	—	—	—	—	—	—	LTV-50L	—	—	OR-50L	—	—
AT6N135	6N135 HCPL-2502 HCPL-0500 HCPL-0501	6N135M	—	TLP754 TLP769 6N135	6N135 PC457S0NIP0F	—	6N135 SFH6135	6N135	6N135	—	OR-6N135	—	—
AT6N136	6N136 HCPL-2503 HCPL-250L HCPL-4502 HCPL-4503	6N136 HCPL-2503	6N136	TLP550 TLP551 TLP559 TLP651 TLP750 TLP751 TLP754 TLP759 6N136	6N136 PC957L0NSZ0F	PS8501 PS8502 PS8601 PS8602	6N136 SFH6136 SFH6345	6N136	6N136 EL4502 EL4503 EL4504	KPC6N136S	OR-6N136 OR-4502 OR-4503 OR-4504	—	—
AT6N137	6N137 HCPL-2601 HCPL-260L HCPL-2611 HCPL-7601 HCPL-7611 HCNW137 HCPL-060L	HCPL2630 HCPL2631	6N137 HCPL2601 HCPL2611	TLP2955 TLP2958 TLP555 6N137	6N137 PC910L0NSZ0F	PS8501 PS9587L3 PS8501 PS9587L3	6N137 VO2601 VO2611 VO2601 VO2611	6N137 LTV-2630	6N137 EL6N137	—	OR6N137	—	ICPL2631
ATN137	HCNW2601 HCNW2611	—	HCPL2601M	—	—	—	—	—	EL2601	—	—	—	—
ATK54L	HCPL-K54L	—	—	—	—	—	—	—	—	—	—	—	—
ATC501	ACPL-K453	—	—	—	—	—	—	—	—	—	—	—	—
AT0530	HCPL-053L	—	HCPL0530 FOD053L HCLP-0531	—	—	PS8802-2 PS8821-2	SFH6325 SFH6326	—	EL0530 EL0531	—	OR-0530 OR-0531	—	—
AT0501	HCPL-0452 HCPL-5001 HCPL-050L	—	HCPL-0500 HCPL-0501 FOD-050L	TLP2409	—	PS8821-1	SFH6343 SFH6316T	LTV-0501	EL0452 EL0453 EL0500 EL0501	—	OR-050X OR-050L	—	—
AT0601	HCPL-0600 HCPL-0601 HCPL-0611 HCPL-060L	FOD-060L HCPL0600	HCPL0600 HCPL0601 HCPL0611	—	—	PS9817A1	SFH6747T VO0600T VO0601T VO0611T	LTV-0601	EL050L EL060L EL0600 EL0601 EL0611	—	OR-060L	—	—
AT2601	ACNV2601	—	—	—	—	—	—	—	—	—	—	—	—
AT0630	—	—	HCPL2630M	—	—	—	—	—	—	—	—	—	—
AT0631	HCPL-063L	HCPL062N HCPL2631	HCPL2631M	TLP2118E TLP2118E TLP2161	—	PS9817A-2	VO0630T VO0631T	LTV-2630 LTV-063L	EL0630 EL0631	—	OR-063L OR-0631 OR-2631	—	—
AT074L	QCPL-074H	—	—	—	—	—	—	—	—	—	—	—	—
AT075L	—	—	—	TLP2168 TLP2261 TLP2662	—	—	—	—	—	—	—	—	—

栅极驱动光耦品牌型号对应参照表

Reference table for brands and models of gate driven optocouplers

奥特 AOTE	安华高 AVAGO	仙童 FAIRCHILD	东芝 TOSHIBA	夏普 SHARP	瑞萨 RENESA	威世 VISHAY	光宝 LITEON	亿光 EVERLIGHT	冠西 COSMO	奥伦德 ORIENT	德州仪器 Texas Instruments
AT155	–	–	TLP155A TLP155E	–	–	–	LTV-155E	–	–	OR-155E	–
AT3120	ACPL-312T ACPL-T350 ACPL-3130 ACPL-J313 HCPL-0302 HCPL-3020 HCPL-3120 HCPL-3140 HCPL-3180 HCPL-J312 HCPL-T250 HCPL-T251	FOD3120 FOD3125SD MOCD3120	TLP352 TLP350 TLP350H TLP250 TLP250H TLP2451A TLP351A	PC925L0NSZ0F PC925LENIP0F PC942J	PS9505 PS9506 PS9552	VO3120	LTV-T350 LTV-3120	EL3120	KTLP250 KTLP350	OR-3120	–
AT3150	QCPL-341H HCPL-3150 HCPL-J314	FOD3150	TLP250	PC923 PC924	PS9553	VO3150	LTV-3150	–	–	OR-3150	–
AT314	ACPL-W314 ACPL-P314	FOD8314	TLP701A TLP705A TLP701 TLP5701 TLP5751	–	–	–	LTV-314	–	–	OR-314	–
AT340	ACPL-P302 ACPL-W302 ACPL-P340 ACPL-W340	–	–	–	–	–	LTV-340	–	–	OR-340	–
AT341	ACPL-P341 ACPL-W341 ACPL-P346 ACPL-W349	FOD8342	TLP5702 TLP5702H TLP5752 TLP5772 TLP700AF	–	–	VOL3120	LTV-341	–	–	OR-341	UCC23511 UCC23513
AT343	ACPL-P343 ACPL-W343	–	TLP5754	–	–	–	–	–	–	–	–
ATM341	–	–	TLP152	–	–	–	–	–	–	–	–
ATN3120	HCNW-3120	–	–	–	–	–	–	–	–	–	–
AT316J	HCPL-316J ACPL-316J	FOD8316	–	–	–	–	LTV-316J	–	–	–	–
AT330J AT331J AT332J	ACPL-330J QCPL-329J ACPL-331J ACPL-332J	–	TLP5214A	–	–	–	–	LTV-332J	–	–	–
AT333J	ACPL-333J	–	–	–	–	–	–	–	–	–	–

智能功率模块接口光耦品牌型号对应参照表

Reference Table for Brand and Model of Intelligent Power Module Interface Optocoupler

奥特 AOTE	安华高 AVAGO	仙童 FAIRCHILD	东芝 TOSHIBA	夏普 SHARP	瑞萨 RENESA	威世 VISHAY	光宝 LITEON	亿光 EVERLIGHT	冠西 COSMO	奥伦德 ORIENT
AT4504	HCPL-4504	–	–	–	–	–	–	–	–	–
AT4506	HCPL-4506	–	–	–	–	–	–	–	–	–
AT4800	–	–	–	–	–	–	–	–	–	–
AT480	ACPL-P480	–	TLP2745 TLP715	–	–	–	LTV-480P LTV-480W	–	–	–
AT481	ACPL-M483	–	TLP2704	–	–	–	–	–	–	–
ATM456	–	–		–	–	–	–	–	–	–
ATM480	–	–	TLP2345 TLP2355 TLP105	–	–	–	LTV-480	–	–	–
ATM481	ACPL-P456	–	TLP108 TLX9304	–	–	–	LTV-481	–	–	–

隔离运算放大器品牌型号对应参照表

Reference table for brands and models of isolated operational amplifiers

奥特 AOTE	安华高 AVAGO	仙童 FAIRCHILD	东芝 TOSHIBA	夏普 SHARP	瑞萨 RENESA	威世 VISHAY	光宝 LITEON	亿光 EVERLIGHT	冠西 COSMO	奥伦德 ORIENT
AT7840	HCPL-7840									
ATC790	ACPL-C790									
ATC79A	ACPL-C79A									
ATC79B ATC87AT	ACPL-C79B ACPL-C87AT									
ATC87BT	ACPL-C87BT									