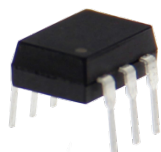


Product Images



DIP6



SMD6

Features

- Contact Form: 1b
- Load Voltage: 60V
- Load Current: 500mA
- Low Off-State Leakage Current: 1 μ A

Application

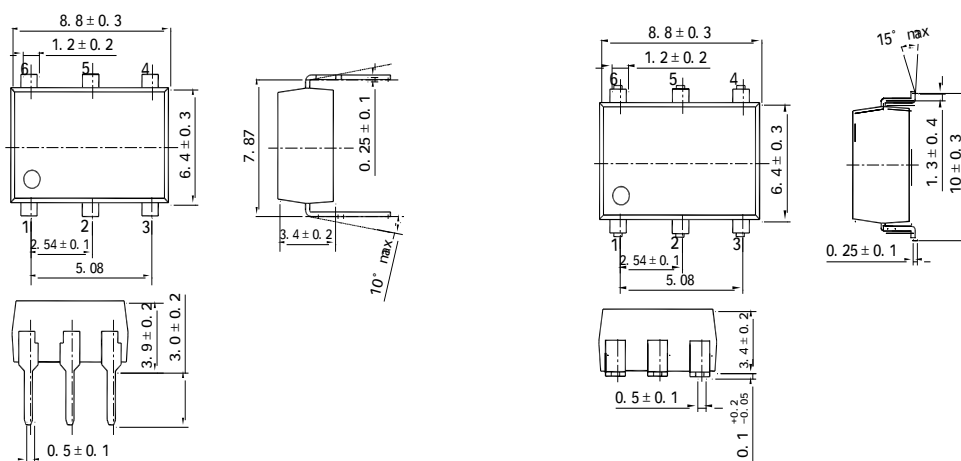
- Automatic Test Equipment
- Telephone Equipment
- Sensing Equipment
- Security Equipment
- I/O Modules
- Modem

Types

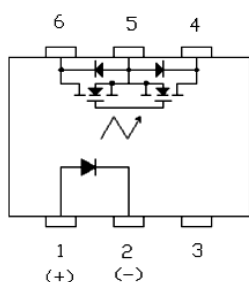
Output Rating		Marking model	Part Number	
Load voltage	Load current		DIP	SMD
60V	500mA	MJV212	MJV212	MJV212A

Note: The "A" indicating the pin type is not marked on the product. Please refer to the ordering example model number when placing an order.

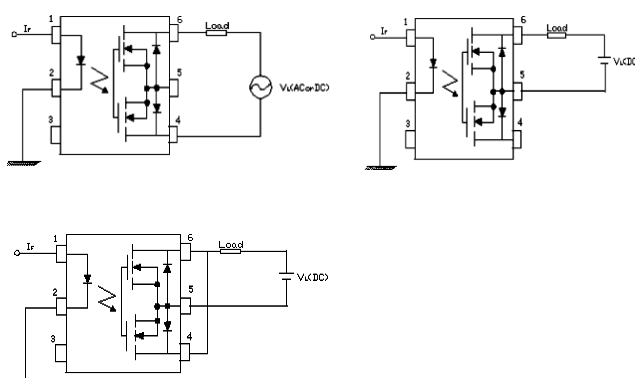
Dimensions



Terminal Identification



Wiring Diagram



[Technical parameters (Ambient Temperature 25°C)]

■ I/O Absolute Maximum Ratings

Item		Symbol	Value
Operating Temperature		T _{OPR}	-40°C ~ +85°C
Storage Temperature		T _{STG}	-40°C ~ +100°C
Input	Continuous LED Current	I _F	50mA
	Peak LED Current LED(f=100Hz,Duty=1%)	I _{FP}	1000mA
	LED Reverse Voltage	V _R	5V
	Input Power Dissipation	P _{IN}	75mW
Output	Load Voltage	V _L	60V(AC peak or DC)
	Load Current	I _L	500mA
	Peak Load Current(100ms,1shot)	I _{PEAK}	1000mA
	Output Power Dissipation	P _{OUT}	450mW
Total Power Dissipation		P _T	500mW
I/O Breakdown Voltage		V _{IO}	3750Vrms
I/O Breakdown Voltage(Add H)		V _{IO}	5000Vrms

■ Electrical Specifications

Item		Symbol	MIN.	TYP.	MAX.	UNIT	Conditions
Input	LED Forward Voltage	V _F		1.3	1.5	V	I _F =10mA
	Operation LED Current	I _{F ON}		0.5	5.0	mA	
	Recovery LED Voltage	V _{F OFF}	0.7			V	
Output	On-Resistance	R _{ON}		1.0	1.4	Ω	I _F =5mA,I _L =Rating, within 1 sec.
	Off-State Leakage Current	I _{LEAK}			1.0	μA	V _L =Rating
	Output Capacitance	C _{OUT}		115		pF	V _L =0V,f=1MHz
Time parameters	Turn-On Time	T _{ON}		0.5	0.8	ms	I _F =5mA, I _L =100mA
	Turn-Off Time	T _{OFF}		0.35	0.5	ms	
I/O	I/O Insulation Resistance	R _{IO}	1000			MΩ	500VDC
	I/O Capacitance	C _{IO}		0.8		pF	f=1MHz

Characteristic curve

