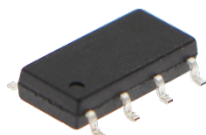


Product Images



SOP8

Features

- Contact Form: 2a
- Load Voltage: 60V
- Load Current: 500mA
- Low Off-State Leakage Current: 1.0μA

Application

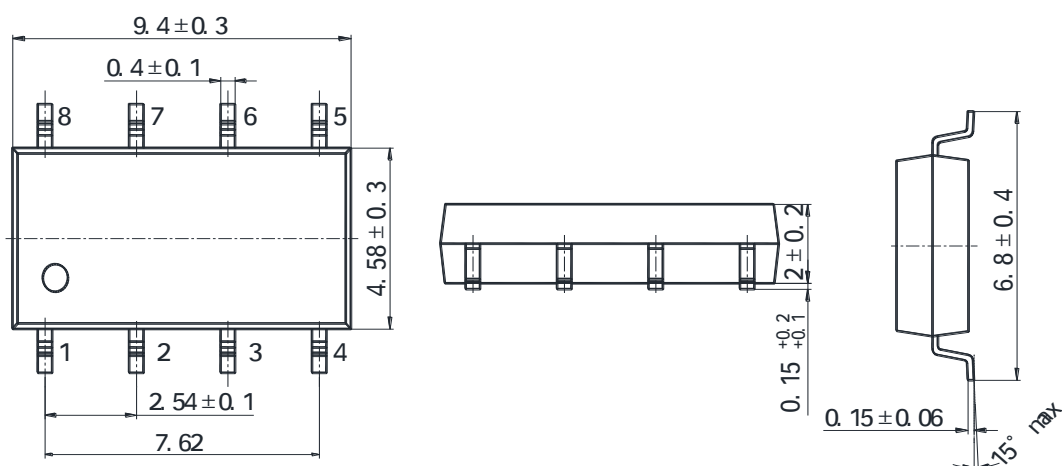
- Automatic Test Equipment
- Telephone Equipment
- Sensing Equipment
- Security Equipment
- I/O Modules
- Modem

Types

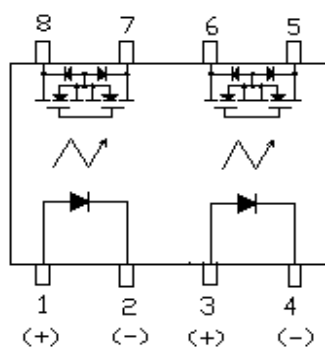
Output Rating		Marking model	Part Number
Load voltage	Load current		SMD
60V	500mA	MJW212S	MJW212S

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.

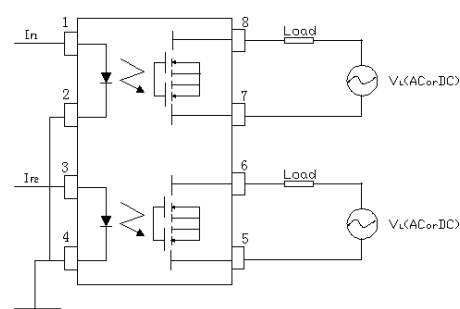
Dimensions



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 ((1ms,1 shot)	I_{PEAK}	1500mA
	Output Power Dissipation	P_{OUT}	600mW
Total Allowable Power Dissipation		P_T	650mW
I/O Breakdown Voltage		$V_{I/O}$	1500Vrms
I/O Breakdown Voltage (Add H)		$V_{I/O}$	3750Vrms

■ Electrical Specifications

Item		Symbol	MIN.	TYP.	MAX.	Units	Conditions
Input	LED Forward Voltage	V_F		1.3	1.5	V	$I_F=10mA$
	Operation LED Current	$I_{F ON}$		0.8	2.0	mA	
	Recovery LED Voltage	$V_{F OFF}$	0.7			V	
Output	On-Resistance	R_{ON}		0.8	2	Ω	$I_F=5mA, I_L=Rating$ (with in 1sec.)
	Off-State Leakage Current	I_{LEAK}			1.0	μA	$V_L=60V$
	Output Capacitance	C_{OUT}		98		pF	$V_L=0V, f=1MHz$
Time parameter	Turn-On Time	T_{ON}		0.35	0.5	ms	$I_F=5mA$
	Turn-Off Time	T_{OFF}		0.03	0.3	ms	$I_L=100mA$
I/O	I/O Insulation Resistance	$R_{I/O}$	1000			M Ω	DC500V
	I/O Capacitance	$C_{I/O}$		1.6		pF	f=1MHz

Characteristic curve

