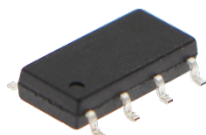


■ Product Images



SOP8

■ Features

- Contact Form: 2a
- Load Voltage: 200V
- Load Current: 180mA
- Low Off-State Leakage Current: 1.0μA

■ Application

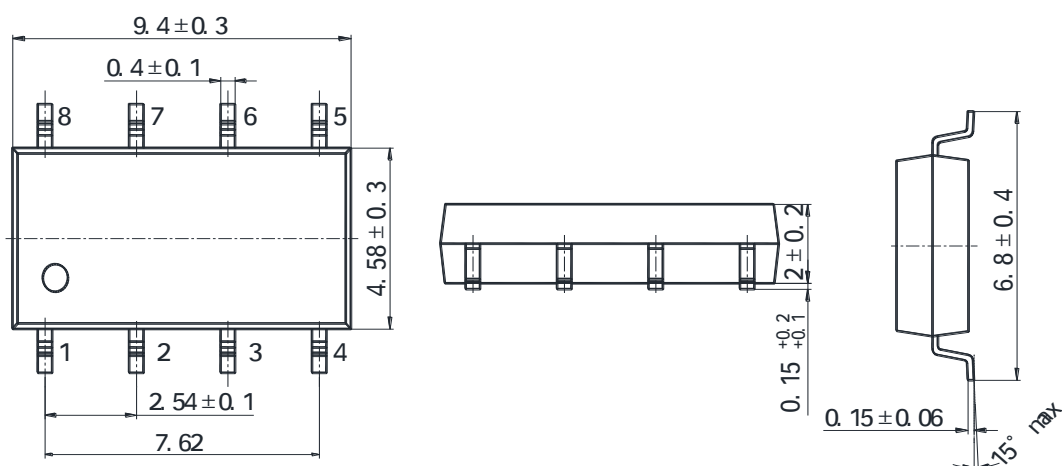
- Automatic Test Equipment
- Telephone Equipment
- Sensing Equipment
- Security Equipment
- I/O Modules
- Modem

■ Types

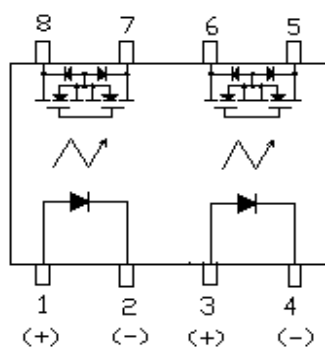
Output Rating		Marking model	Part Number
Load voltage	Load current		SMD
200V	180mA	MJW217S	MJW217S

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.

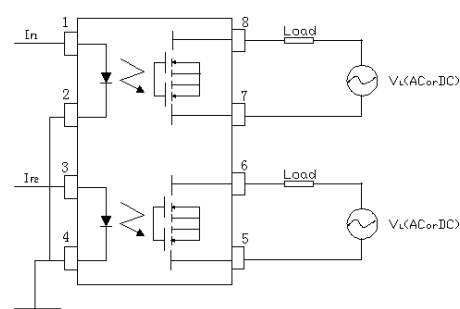
■ Dimensions



■ Terminal Identification



■ Wiring Diagram



[Technical parameters (Ambient Temperature 25°C)]

■ I/O Absolute Maximum Ratings

Item			Symbol	BCW217S
Operating Temperature			T_{OPR}	-40°C ~ +85°C
Storage Temperature			T_{STG}	-40°C ~ +100°C
Input	Continuous LED Current	MAX.	I_F	50mA
	Peak LED Current LED (f=100Hz,Duty=1%)	MAX.	I_{FP}	1A
	LED Reverse Voltage	MAX.	V_R	5V
	Input Power Dissipation	MAX.	P_{IN}	100mW
Output	Load Voltage	MAX.	V_L	200V(AC peak or DC)
	Load Current	MAX.	I_L	180mA
	Peak Load Current (100ms,1shot)	MAX.	I_{PEAK}	1000mA
	Output Power Dissipation	MAX.	P_{OUT}	600mW
Total Allowable Power Dissipation		MAX.	P_T	650mW
I/O Breakdown Voltage		MAX.	$V_{I/O}$	1500Vrms
I/O Breakdown Voltage (Add H)		MAX.	$V_{I/O}$	3750Vrms

■ Electrical Specifications

Item			Symbol	BCW217S	Conditions
Input	LED Forward Voltage	TYP.	V_F	1.3V	$I_F=10mA$
		MAX.		1.5V	
	Operation LED Current	TYP.	$I_{F\ ON}$	0.5mA	
		MAX.		2mA	
	Recovery LED Voltage	MIN.	$V_{F\ OFF}$	0.7V	
Output	On-Resistance	TYP.	R_{ON}	5Ω	$I_F=5mA, I_L=Rating,$ within 1sec.
		MAX.		8Ω	
	Off-State Leakage Current	MAX.	I_{LEAK}	1μA	$V_L=Rating$
Time parameter	Turn-On Time	TYP.	T_{ON}	0.4ms	$I_F=5mA, I_L=100mA$
		MAX.		0.8ms	
	Turn-Off Time	TYP.	T_{OFF}	0.05ms	
		MAX.		0.2ms	
	Output Capacitance	TYP.	C_{OUT}	115pF	$V_L=0V, f=1MHz$
I/O	I/O Insulation Resistance	MIN.	$R_{I/O}$	1000MΩ	DC500V
	I/O Capacitance	TYP.	$C_{I/O}$	0.8pF	f=1MHz

Characteristic curve

