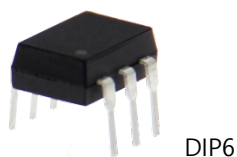


■ Product Images



■ Features

- Contact Form: 1a
- Load Voltage: 1500V
- Load Current: 45mA
- Low Off-State Leakage Current: 10 μ A

■ Application

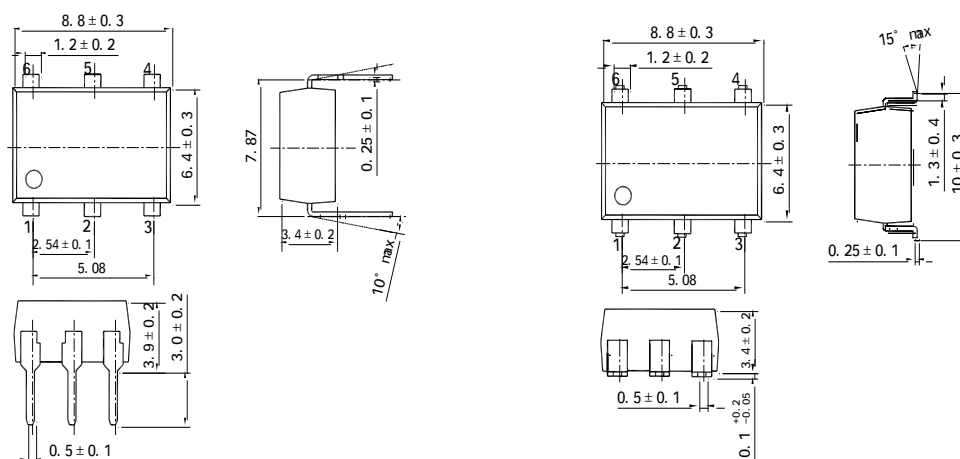
- Automatic Test Equipment
- Telephone Equipment
- Sensing Equipment
- Security Equipment
- I/O Modules
- Modem

■ Types

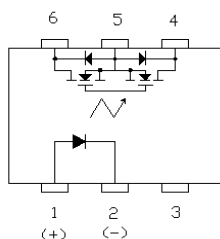
Output Rating		Marking model	Part Number	
Load voltage	Load current		DIP	SMD
1500V	45mA, 50mA, 75mA	MJV258	MJV258	MJV258A

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.

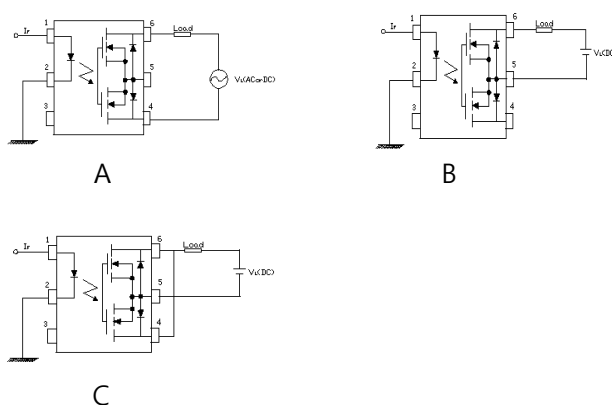
■ Dimensions



■ Terminal Identification



■ Wiring Diagram



[Technical parameters (Ambient Temperature 25°C)]

■ I/O Absolute Maximum Ratings

Item		Symbol	BCV258		
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	1500V(AC peak or DC)		
	Load Current	I _L	A	45mA	AC
			B	50mA	DC
			C	75mA	DC
	Peak Load Current (100ms,1 shot)	I _{PEAK}	180mA		
	Output Power Dissipation	P _{OUT}	450mW		
Total Power Dissipation		P _T	500mW		
I/O Breakdown Voltage		V _{I/O}	3750Vrms		
I/O Breakdown Voltage(Add H)		V _{I/O}	5000Vrms		

■ Electrical Specifications

Item			Symbol	BCV258			Conditions
				A	B	C	
Input	LED Forward Voltage	TYP.	V _F	1.3V			I _F =10mA
		MAX.		1.5V			
	Operation LED Current	TYP.	I _{F ON}	0.8mA			
		MAX.		5mA			
	Recovery LED Voltage	MIN.	V _{F OFF}	0.7V			
Output	On-Resistance R _{ON}	TYP.	R _{ON}	140 Ω	80Ω	40Ω	I _F =10mA, I _L =Rating within 1sec.
		MAX.		220 Ω	220 Ω	110 Ω	
	Off-State Leakage Current	MAX.	I _{LEAK}	10μA			V _L =Rating
	Output Capacitance	TYP.	C _{OUT}	58pF			V _L =0V,f=1MHz
Time parameters	Turn-On Time	TYP.	T _{ON}	0.3ms			I _F =10mA, I _L =Rating
		MAX.		1ms			
	Turn-Off Time	TYP.	T _{OFF}	0.03ms			
		MAX.		0.2ms			
I/O	I/O Insulation Resistance	MIN.	R _{I/O}	1000MΩ			DC500V
	I/O Capacitance	TYP.	C _{I/O}	0.8pF			f=1MHz
		MAX.		1.5pF			

Characteristic curve

