

LOW VF SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

Reverse Voltage: 600 Volts
Forward Current: 2.0Amps

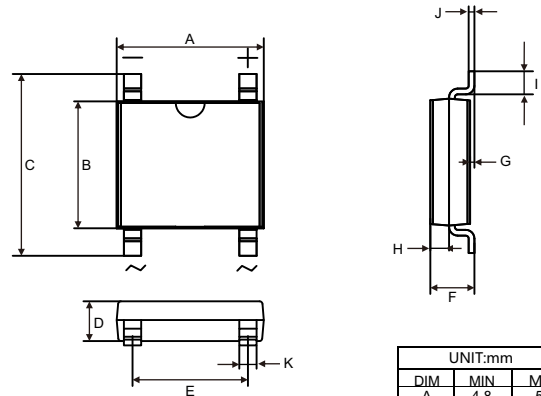
ABS

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- Rating to 600V PRV
- Ideal for printed circuit board
- High temperature soldering guaranteed: 260°C/10 seconds at terminals
- Component in accordance to RoHS 2015/863/EU

MECHANICAL DATA

- Case: ABS molded plastic body
- Epoxy: UL94V-0 rate flame retardant
- Terminals: Plated leads solderable per MIL-STD-750, method 2026
- Mounting Position: Any



UNIT:mm		
DIM	MIN	MAX
A	4.8	5.4
B	4.2	4.6
C	6.0	6.8
D	1.22	1.50
E	3.8	4.4
F	1.2	1.5
G	0.05	0.2
H	0.37	0.47
I	0.4	0.8
J	0.15	0.25
K	0.5	0.85

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating at 25°C ambient temperature unless otherwise specified. Single phase ,half wave ,60Hz,resistive or inductive load. For capacitive load,derate current by 20%.)

Parameters	Symbols	Value	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	Volts
Maximum RMS Voltage	V_{RMS}	420	Volts
Maximum DC Blocking Voltage	V_{DC}	600	Volts
Maximum Average Forward Rectified Current	$I_{(AV)}$	2.0	Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	75	Amps
Maximum Instantaneous Forward Voltage at 2.0 A DC	V_F	0.98	Volts
Rating for fusing ($t \leq 8.3ms$)	I^2t	23.3	A ² s
Maximum DC Reverse Current at rated DC blocking voltage	$T_A=25^\circ C$	10	μA
	$T_A=125^\circ C$	500	
Typical junction capacitance(Note1)	C_J	15	pF
Typical thermal resistance(Note 2)	$R_{\theta JA}$	62	$^\circ C/W$
	$R_{\theta JC}$	25	
Operating junction and storage temperature range	T_J T_{STG}	-55 to +150	$^\circ C$

Note:1.Measured at 1MHZ and applied reverse voltage of 4.0 Volts.

2. Thermal resistance junction to ambient.

RATINGS AND CHARACTERISTIC CURVES ABS206L

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

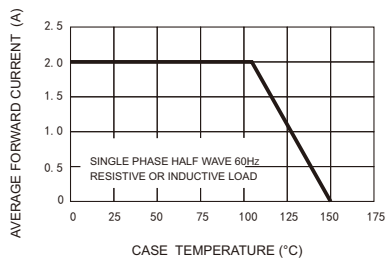


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

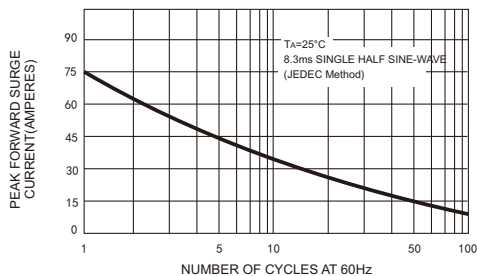


FIG3-TYPICAL JUNCTION CAPACITANCE

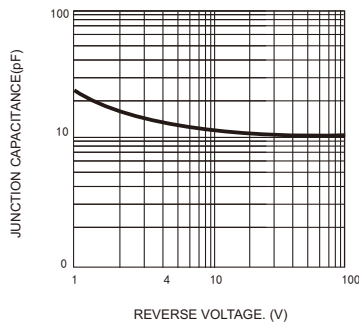


FIG4-TYPICAL FORWARD CHARACTERISTICS

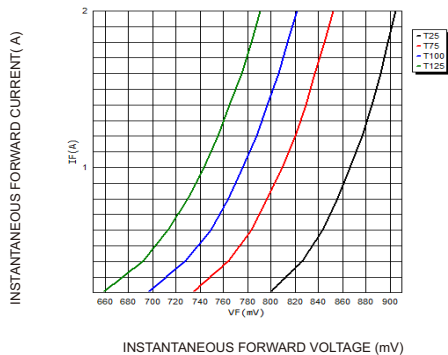
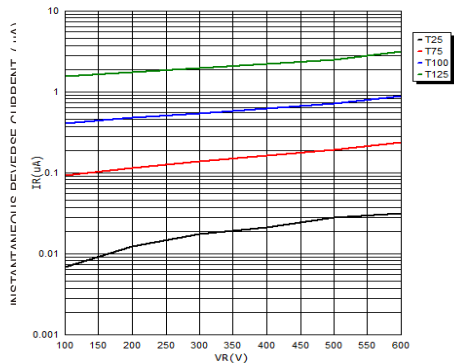


FIG.5-TYPICAL REVERSE CHARACTERISTICS



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