

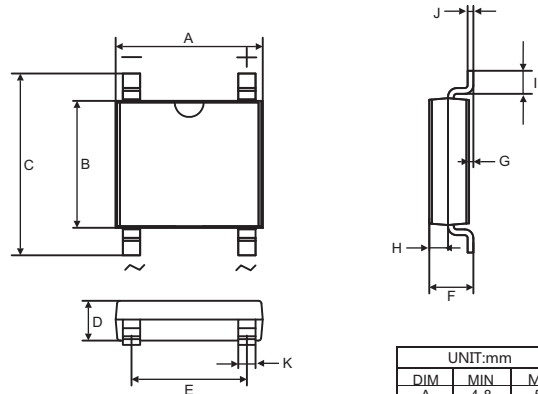
### FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- Rating to 1000V PRV
- Ideal for printed circuit board
- High temperature soldering guaranteed:260°C/10 seconds at terminals
- Component in accordance to RoHS 2011/65/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

### ABS



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	ABS202	ABS204	ABS206	ABS208	ABS210	Units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	200	400	600	800	1000	Volts
Maximum RMS Voltage	$V_{RMS}$	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	$V_{DC}$	200	400	600	800	1000	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)	$I_{FSM}$	50					Amps
Maximum Instantaneous Forward Voltage at 2.0 A DC	$V_F$	1.1					Volts
Rating for fusing (t<8. 3ms)	$I^2t$	12.5					A <sup>2</sup> s
Maximum DC Reverse Current at rated DC blocking voltage	$T_A=25^{\circ}C$	10					$\mu A$
	$T_A=125^{\circ}C$	500					
Typical junction capacitance(Note1)	$C_J$	16					pF
Typical thermal resistance(Note 2)	$R_{\theta JA}$	62					°C/W
	$R_{\theta JC}$	25					
Operating junction and storage temperature range	$T_J$ $T_{STG}$	-55 to +150					°C

**Note:**1.Measured at 1MHZ and applied reverse voltage of 4.0 Volts.  
2. Thermal resistance junction to ambient.

# RATINGS AND CHARACTERISTIC CURVES ABS202 THRU ABS210

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

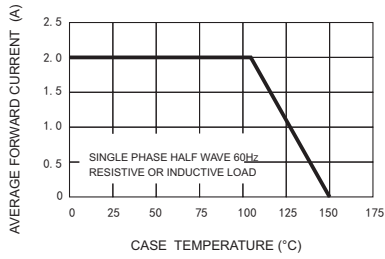


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

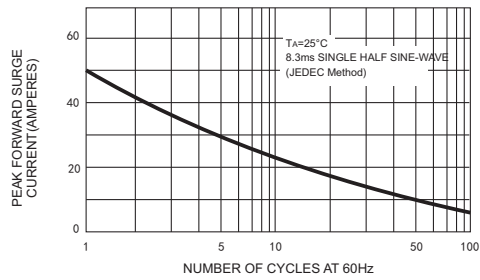


FIG3-TYPICAL JUNCTION CAPACITANCE

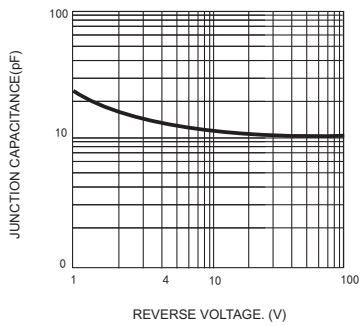


FIG4-TYPICAL FORWARD CHARACTERISTICS

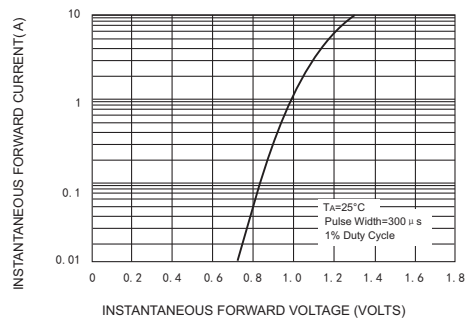


FIG.5-TYPICAL REVERSE CHARACTERISTICS

