



- UL recognition, file #E230084
- Glass passivated chip junction
- Ideal for printed circuit boards
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

General purpose use in AC/DC bridge full wave rectification for monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.

- : GBU
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

■ (Ta=25 Unless otherwise specified)

0D[LPXP 506 9ROWDJH	9506	9	

0D[LPXP '& EORFNLQJ 9ROWDJH 9'&		9		
\$YHUDJH UHFWLILH # +] VLQH ZDYH 5	:LWK KHDW G7RXWSXW Without heatsink Ta =25	VLQN FXUHQW A		20.0
				3.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25		IFSM	A	180
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25				360
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode		I²t	A²S	134
Storage temperature		Tstg		-55 ~ +150
Junction temperature		Tj		-55 ~ +150

Del £ W nc



■ $T_a=25$ Unless otherwise specified

Maximum reverse recovery time	T_{RR}	ns	$I_F=0.5A, I_R=1.0A, I_{RR}=0.25A$	35
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_{FM}=10.0A$	2.0
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	$T_j=25$	5
			$T_j=125$	100
Typical junction capacitance	C_j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	80

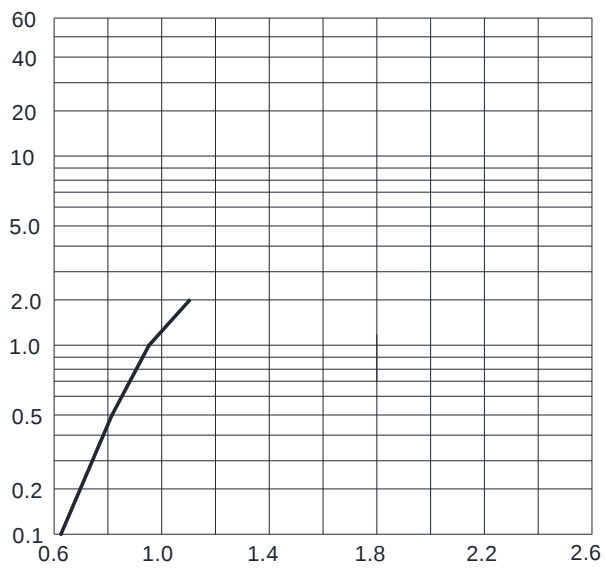
■ $T_a=25$ Unless otherwise specified

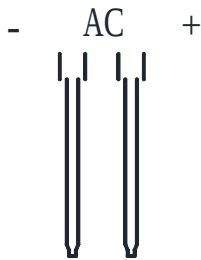
Thermal Resistance	Between junction and ambient, Without heatsink	$R_{\theta J-A}$	/W	16
	Between junction and case, With heatsink	$R_{\theta J-C}$		2.3

Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

■ (Example)

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Dim	Min	Max
A	21.80	22.30
B	18.30	18.80
C	17.50	18.00
D	3.30	3.90
E	7.10	7.50
F	5.50	5.90
G	1.91	2.54
H	2.06	2.54
I	1.02	1.27
J	4.83	5.33
K	3.30	3.56
L	2.40	2.66
M	0.46	0.56

Dimensions in millimeters



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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machines).