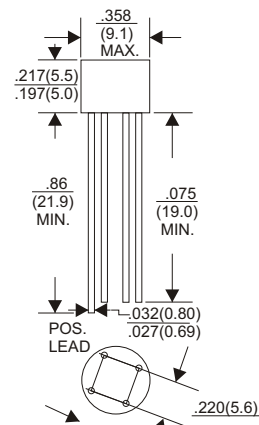


FEATURES

- Surge overload rating to 40 Amperes peak
- Glass passivated chip junctions
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead solderable per MIL-STD-202 method 208
- Lead: silver plated copper, solderde plated
- Plastic material has UL flammability classification 94V-0



WOM



Dimensions in inches and (millimeters)

Maximum Ratings (@T_A = 25°C unless otherwise specified)

Characteristic	Symbol	B250C1500R	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	600	V
Maximum RMS Reverse Voltage	V _{RMS}	420	V
Maximum DC Blocking Voltage	V _{DC}	600	V
Maximum average forward Output current @T _A =40°C	I _{F(AV)}	1.5	A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I _{FSM}	50	A
I ² t Rating for fusing @T _j =25°C	I ² t	10	A ² S

Thermal Characteristics

Characteristic	Symbol	B250C1500R	UNITS
Typical Thermal Resistance (Note)	R _{θJA} R _{θJL}	36 13	°C/W
Operating junction temperature range	T _J	-55 -- +150	°C
Storage temperature range	T _{STG}	-55 -- +150	°C

Electrical Characteristics (@T_A = 25°C unless otherwise specified)

Characteristic	Symbol	B250C1500R	UNITS
Maximum instantaneous forward voltage at 1.5A	V _F	1.0	V
Maximum reverse current @T _A =25°C at rated DC blocking voltage @T _A =100°C	I _R	5.0 0.5	μA mA

FIG.1 – TYPICAL FORWARD CURRENT DERATING CURVE

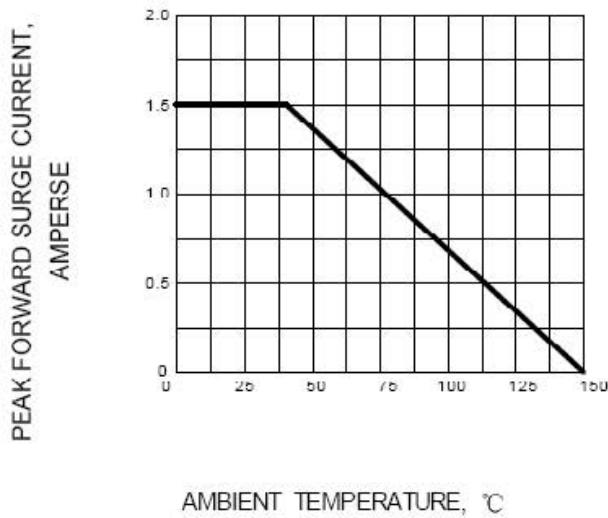


FIG.2 – MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

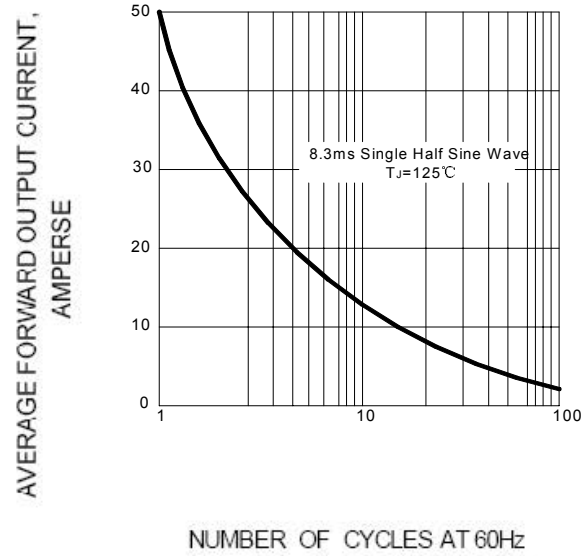


FIG.3 – TYPICAL FORWARD CHARACTERISTIC

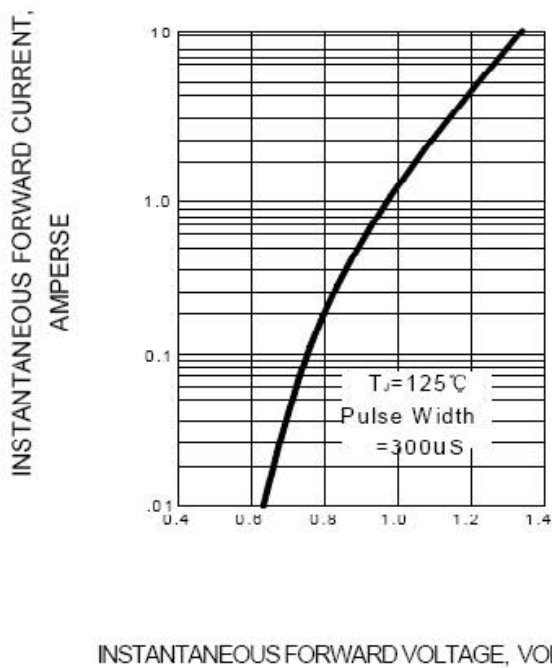
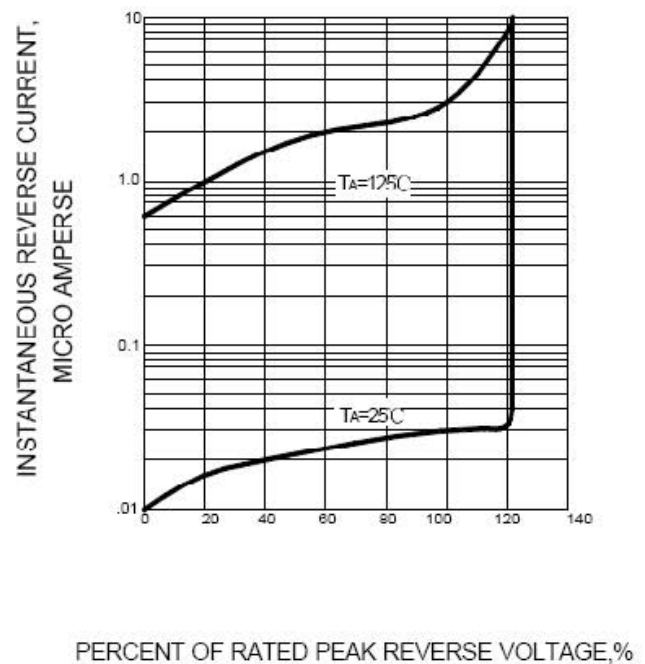


FIG.4 – TYPICAL REVERSE CHARACTERISTIC



Device	Shipping
B250C1500R	1000pcs/package