

<p><b>SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIERS</b></p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Rating to 1000V PRV</li> <li>● Ideal for printed circuit board</li> <li>● Reliable low cost construction utilizing molded plastic technique results in inexpensive product</li> <li>● Lead tin plated copper</li> </ul> <p><b>MECHANICAL DATA</b></p> <ul style="list-style-type: none"> <li>● Polarity: Symbol molded on body</li> <li>● Mounting position :Any</li> </ul>	<p>REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Ampere</p> <p><b>ABS</b></p> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>
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**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%

CHARACTERISTICS	SYMBOL	ABS105	ABS11	ABS12	ABS14	ABS16	ABS18	ABS110	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current (Note 1) @TA=40 °C	I(AV)	1.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	IFSM	30							A
Peak Forward Voltage at 1.0A DC	VF	1.1							V
Maximum DC Reverse Current @TJ=25°C at Rated DC Blocking Voltage @TJ=125°C	IR	5.0 500							µA
Typical Thermal Resistance (Note2)	RθJA	80							°C/W
Typical Thermal Resistance	RθJC	12							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

NOTES:1.Mounted on P.C. board.

2.Thermal resistance junction to ambient.

FIG.1-FORWARD CURRENT DERATING CURVE

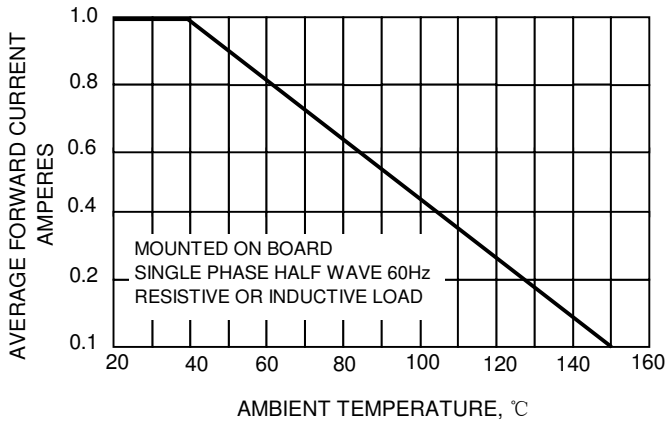


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

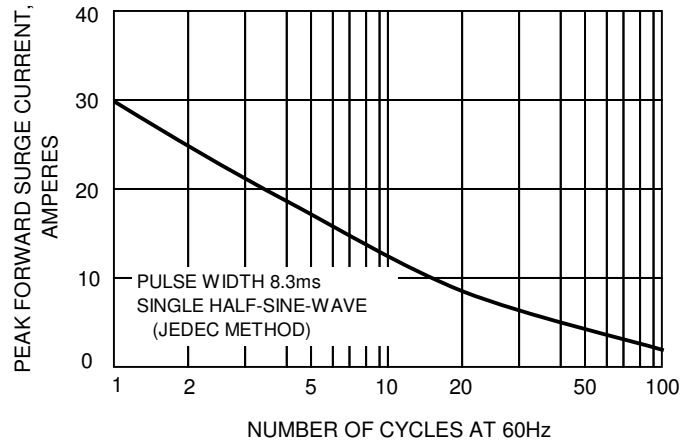


FIG.3-TYPICAL REVERSE CHARACTERISTICS

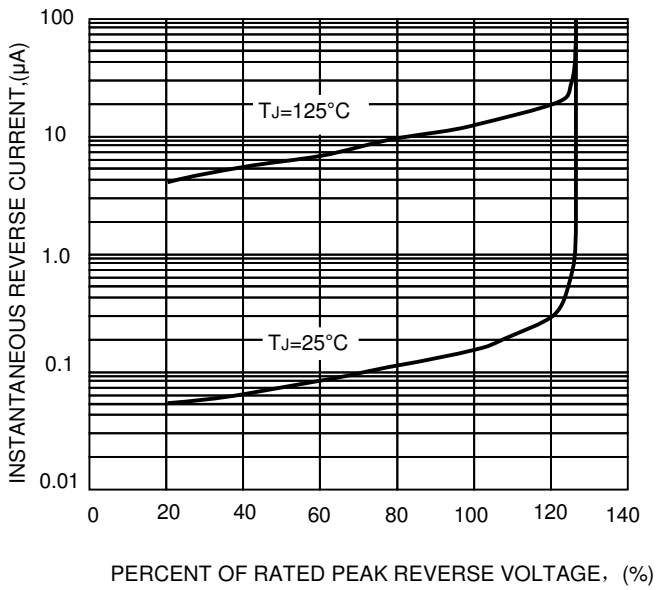


FIG.4-TYPICAL FORWARD CHARACTERISTICS

