



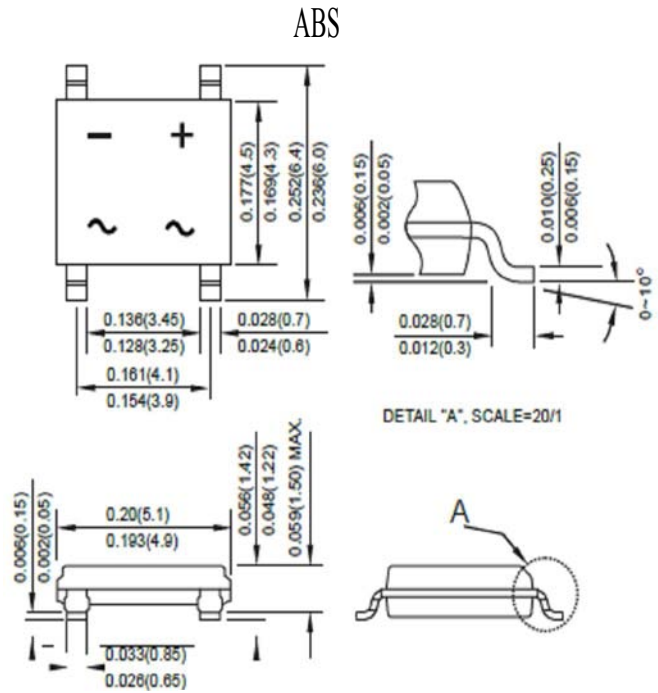
ABS2 THRU ABS10

Single Phase 1.0 AMPS. Glass Passivated Bridge Rectifiers

Voltage Range: 200 to 1000 Volts

Features

- Glass passivated junction
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High temperature soldering guaranteed:
260 °C / 10 seconds / 0.375" (9.5mm)
lead length at 5 lbs., (2.3 kg) tension
- Small size, simple installation pure tin plated terminal, Lead free, Leads solderable per MIL-STD-202, Method 208
- High surge current capability



Dimensions in inch and (millimetres)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number		ABS2	ABS4	ABS6	ABS8	ABS10	UNITS
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	140	280	420	560	700	V
Maximum DC blocking Voltage	V _{DC}	200	400	600	800	1000	V
Maximum Average Forward Rectified Current On glass-epoxy P.C.B. On aluminum substrate	I(AV)	0.8 1.0					A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	30					A
Maximum Instantaneous Forward Voltage @ 0.4A	V _F	1.0					V
Maximum DC Reverse Current @ TA=25 °C rated DC blocking voltage per leg TA = 125 °C	I _R	10 150					μA
Typical Thermal Resistance Junction to Lead On aluminum substrate On Glass-Epoxy substrate	R _{θJL} R _{θJA}	25 62.5 80					°C/W
Operating Temperature Range	T _J	-55 to +150					°C
Storage Temperature Range	T _{STG}	-55 to +150					°C

RATING AND CHARACTERISTIC CURVES

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

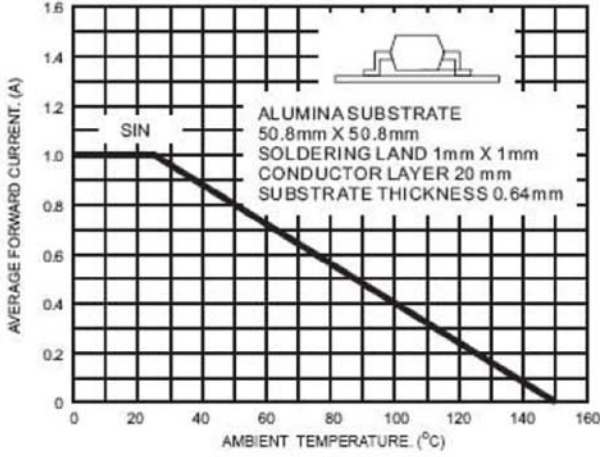


FIG.2- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

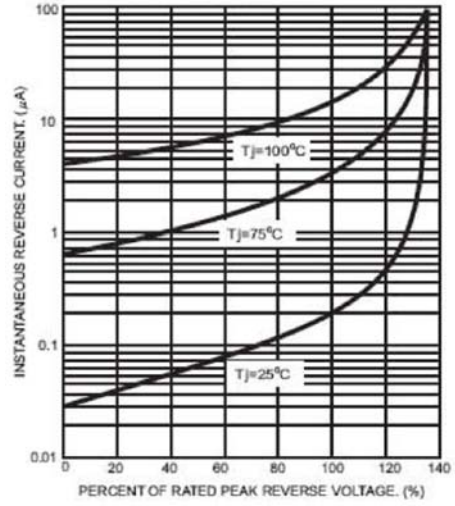


FIG.3- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

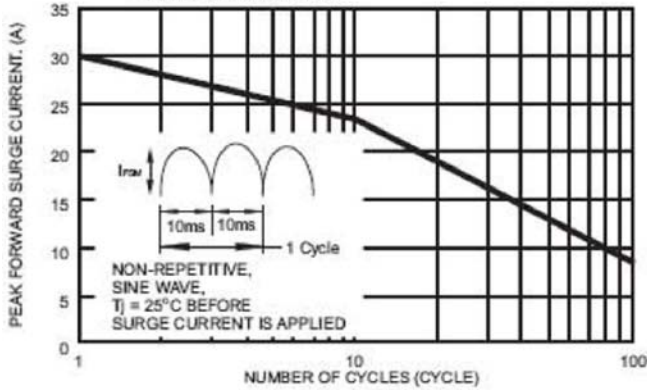


FIG.4- TYPICAL JUNCTION CAPACITANCE

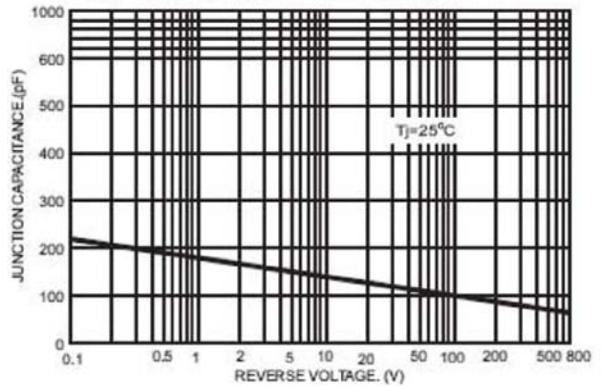


FIG.5- TYPICAL FORWARD CHARACTERISTICS

