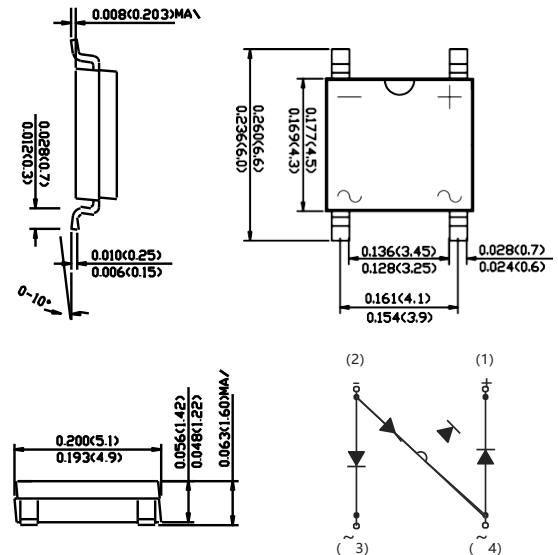


SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

Features

- ◆ Ideal for printed circuit board
- ◆ Reliable low cost construction utilizing molded plastic technique
- ◆ High temperature soldering guaranteed: 260°/10 seconds at 5 lbs., (2.3kg) tension
- ◆ Small size, simple installation
- ◆ High surge current capability

ABS



Dimensions in inches and (millimeters)

Maximum Ratings And Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

Parameter	SYMBOLS	ABS22	ABS24	ABS26	ABS28	ABS210	UNITS
Marking Code							
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	I _{F(AV)}	2.0					A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	60					A
Maximum instantaneous forward voltage drop per leg at 2.0A	V _F	1.0					V
Rating for Fusing(t<8.3ms)	I ² t	10.375					A ² s
Maximum DC reverse current at rated DC blocking voltage	I _R	5.0					uA
TA=25°C TA=125°C		100					uA
Typical thermal resistance(NOTE1)	RθJA RθJC	60 16					°C/W
Typical thermal resistance(NOTE2)	C _J	25					pF
Operating temperature range	T _J	-55 to +150					°C
storage temperature range	T _{STG}	-55 to +150					°C

Note: 1. Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

2. Measured at 1MHz and applied reverse voltage of 4 V D.C.

Ratings And Characteristic Curves

Fig.1 Average Rectified Output Current Derating Curve

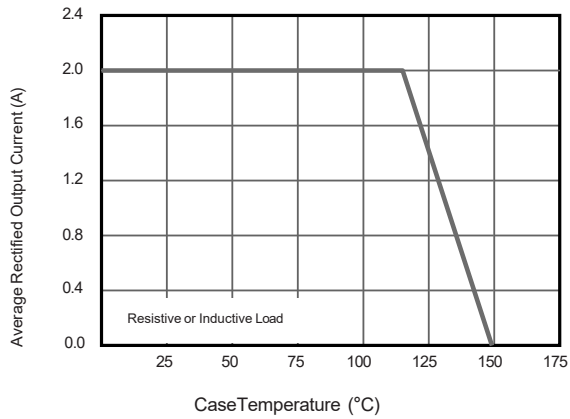


Fig.2 Typical Reverse Characteristics

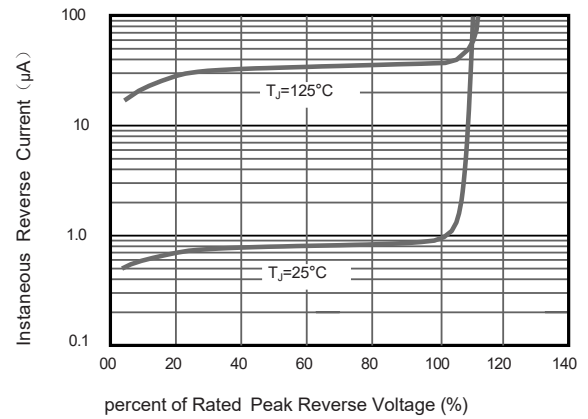


Fig.3 Typical Instantaneous Forward Characteristics T_J=25°C

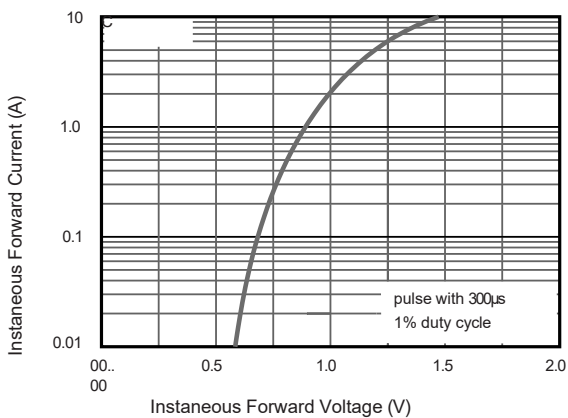


Fig.4 Typical Junction Capacitance

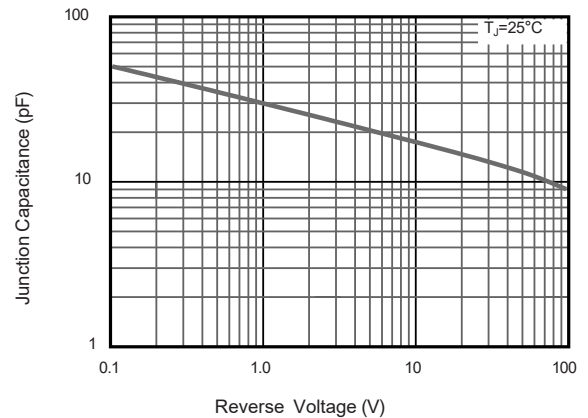
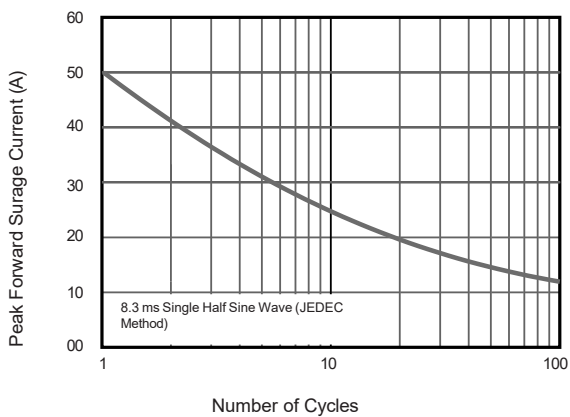
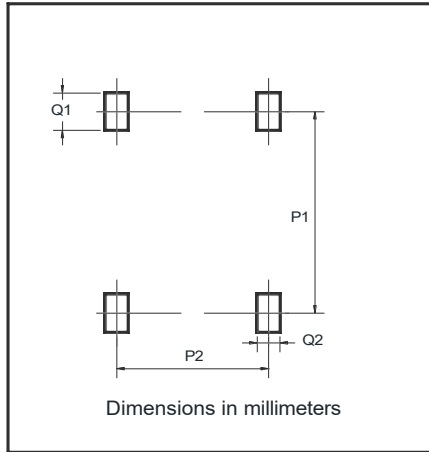


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current



The curve above is for reference only.



Dim	Min
P1	5.72
P2	4.00
Q1	1.00
Q2	0.90