RABS210

Single Phase 2.0 AMP. Glass Passivated Bridge Rectifiers

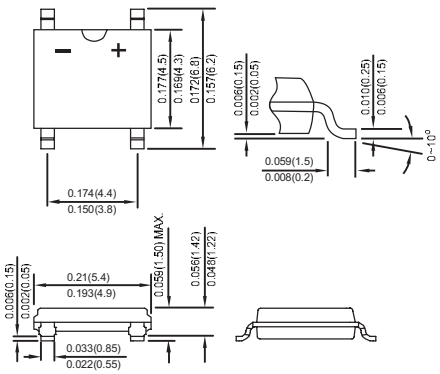
FEATURES

- ✧ Glass passivated junction
- ✧ Ideal for printed circuit board
- ✧ Reliable low cost construction utilizing molded plastic technique
- ✧ High temperature soldering guaranteed: 260℃ / 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

MECHANICAL DATA

- ✧ Case: Molded plastic body
- ✧ Mounting position : as Marking
- ✧ Weight: 0.12 grams

VOLTAGE RANGE
1000 Volts
CURRENT
2.0 Ampere



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

CHARACTERISTICS		RABS210	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS Voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Maximum Average Forward Rectified Current @T_A=40℃	$I_{(AV)}$	2.0	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC .Method)	I_{FSM}	60	A
Maximum Forward Voltage at 1.0A DC	V_F	1.3	V
Maximum DC Reverse Current @T_J=25℃ at Rated DC Blocking Voltage @T_J=125℃	I_R	10 500	μA
I^2t Rating for Fusing (t<8.3ms)	I^2t	14.94	A^2s
Maximum Reverse Recovery Trr ns (Note1)	TRR	500	ns
Typical Junction capacitance Per Element(Note2)	CJ	25	pF
Typical Thermal Resistance (Note3)	RθJA	40	℃/W
Operating Temperature Range	T_J	-55 to +150	℃
Storage Temperature Range	T_{STG}	-55 to +150	℃

Note:1. Reverse Recovery Test Conditions:IF=0.5A,IR=1.0A,IRR=0.25A.

2.Measured at 1.0MHz and applied reverse voltage of 4.0V DC

3.Thermal resistance from junction to ambient mounted on P.C.B with 0.5*0.5"(13*13mm) copper pads.

4.The typical data above is for reference only(典型值仅供参考).

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RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

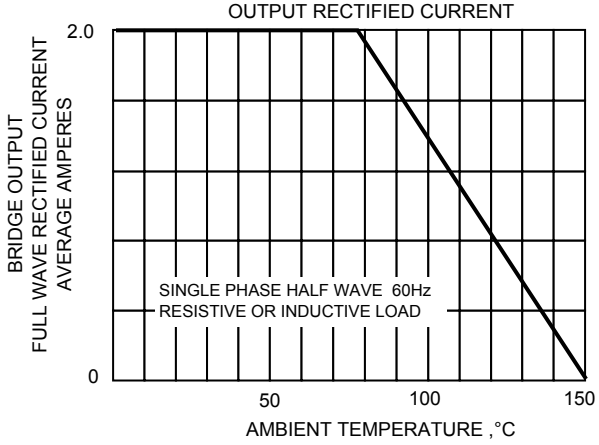


FIG.2-MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT

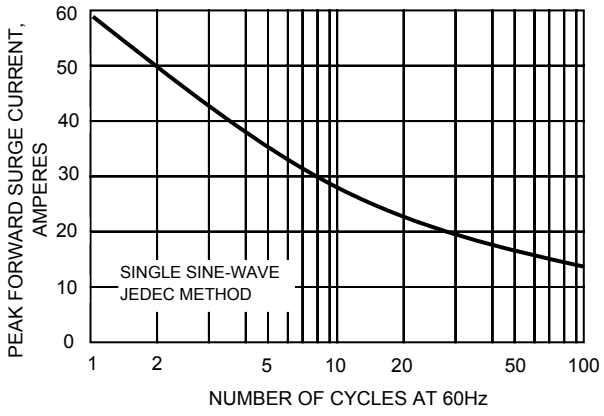


FIG.3-TYPICAL JUNCTION CAPACITANCE

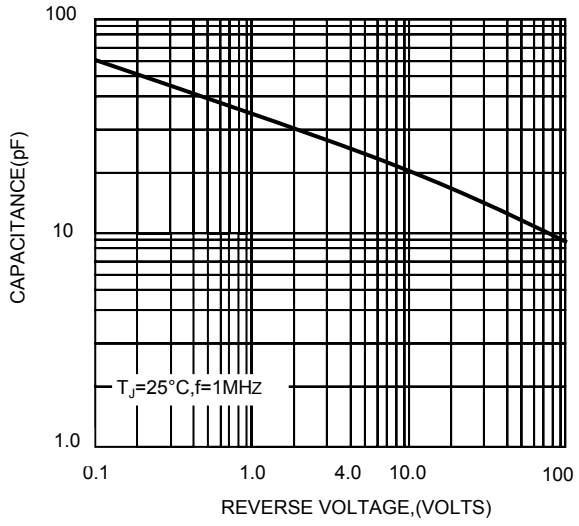


FIG.4-TYPICAL FORWARD CHARACTERISTICS

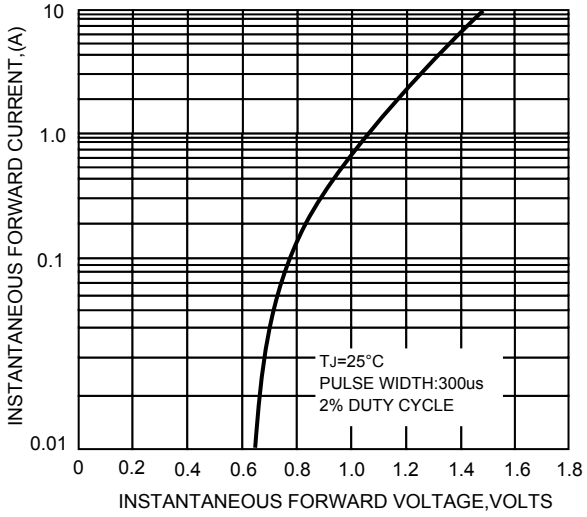
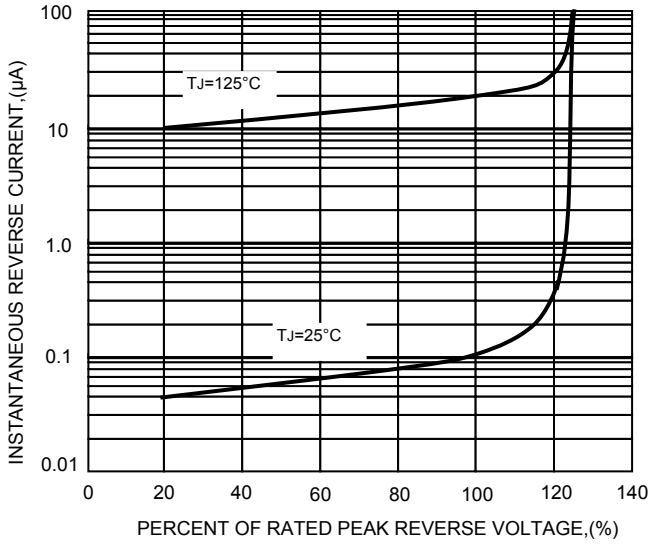


FIG.5-TYPICAL REVERSE CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!