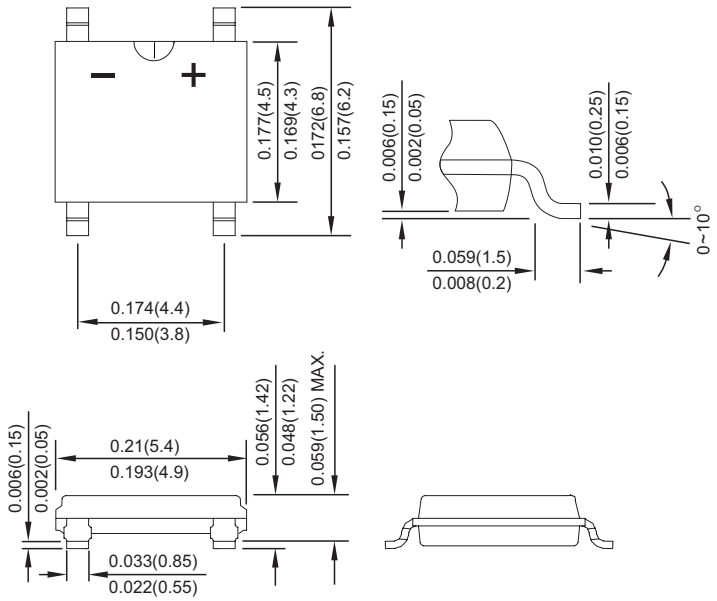
CURRENT 2.0 Ampere
VOLTAGE RANG 200 to 1000 Volts

ABS202 THRU ABS210

MINI-SOP



Dimensions in inches and (millimeters)

FEATURES

- This series is SGS listed under the Recognized Component Index, file number SZXEC1902259902
- 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

MECHANICAL DATA

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

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_A=25℃ unless otherwise noted)

PARAMETER	SYMBOL	ABS 202	ABS 204	ABS 206	ABS 208	ABS 210	UNIT
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					A
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I_{FSM}	60					A
Rating for fusing (t<8.3ms)	I^2t	15					A^2s
Maximum instantaneous forward voltage (Note 1) I_F1A	V_F	1.1					V
Maximum DC reverse current T_J=25 ℃ at rated DC blocking voltage T_J=125℃	I_R	5 150					μA
Typical thermal resistance	$R_{\theta JL}$ $R_{\theta JA}$	8 25					°C/W
Operating junction temperature range	T_J	- 55 to +150					°C
Storage temperature range	T_{STG}	- 55 to +150					°C

Note 1: Pulse Test with PW=300μs,1% Duty Cycle

CURRENT 2.0 Ampere
VOLTAGE RANG 200 to 1000 Volts

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Rating and Characteristic Curves (TA = 25°C Unless otherwise noted)

FIG.1 FORWARD CURRENT DERATING CURVE

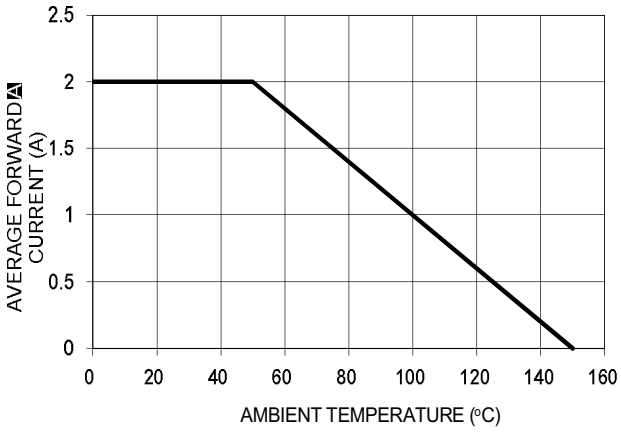

FIG. 2 TYPICAL REVERSE CHARACTERISTICS

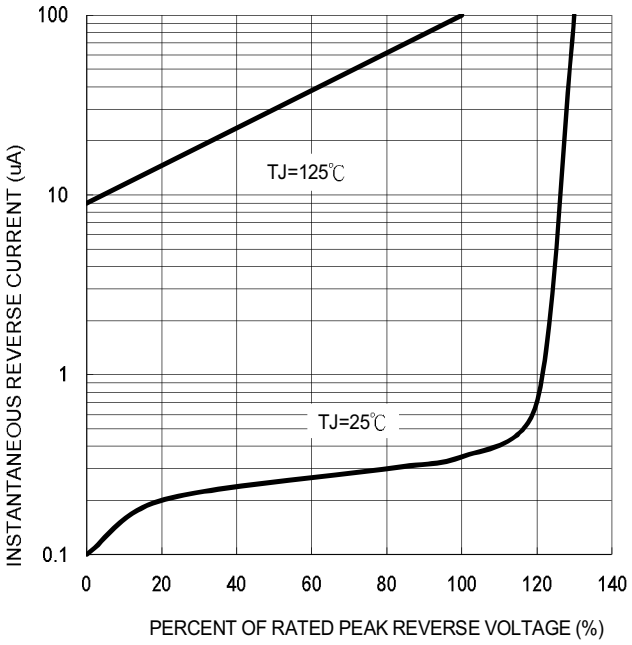

FIG. 3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

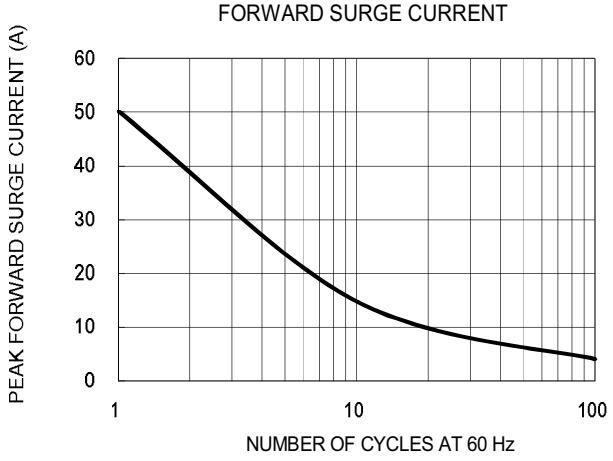

FIG. 4 TYPICAL FORWARD CHARACTERISTICS