

Features

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ Idea for printed circuit board
- ◆ Glass passivated Junction chip
- ◆ Low reverse leakage
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed 250°C/10 seconds at terminals

Mechanical Data

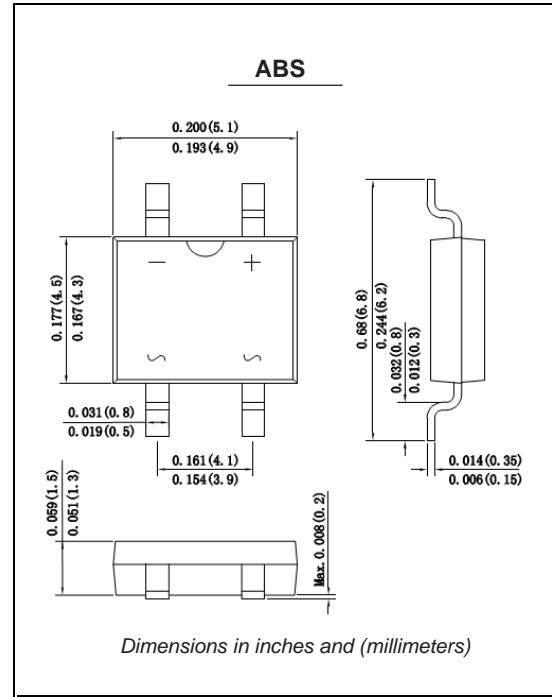
Case: Molded plastic body

Terminals: Solder plated, solderable per MIL-STD-750, Method 2026

Polarity: Polarity symbol marking on body

Mounting Position: Any

Weight : 0.004 ounce, 0.12 grams



Maximum Ratings And Electrical Characteristics

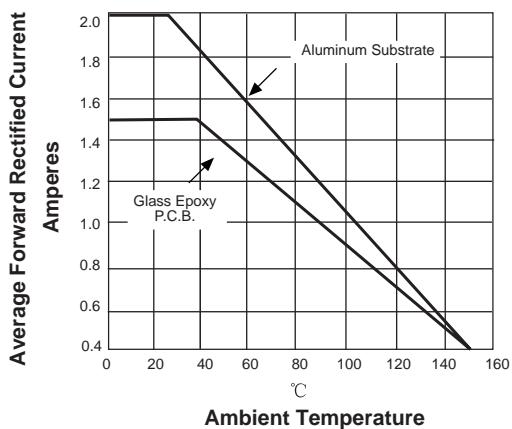
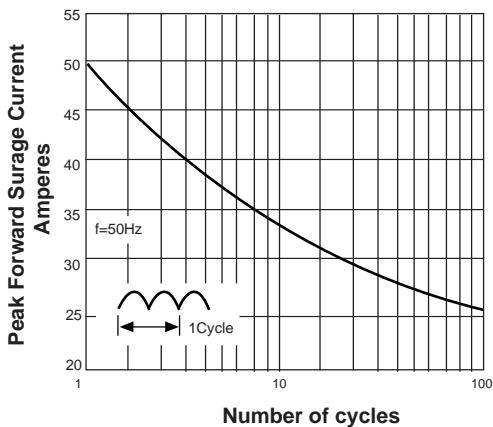
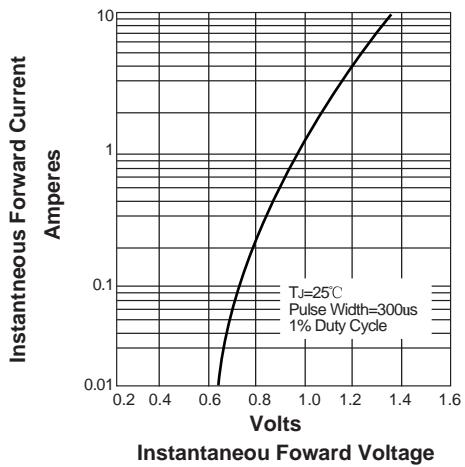
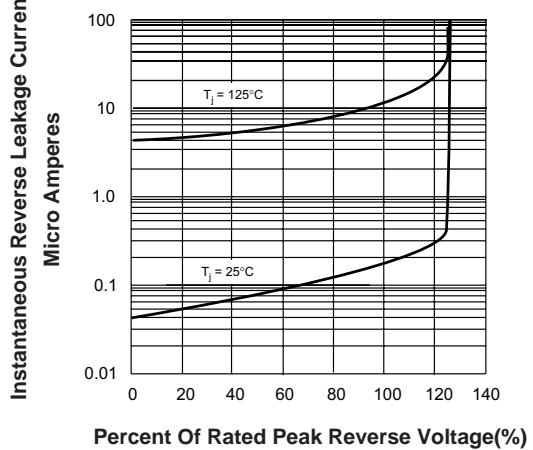
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz,resistive or inductive load, for capacitive load current derate by 20%.

	SYMBOLS	ABS22	ABS24	ABS26	ABS28	ABS210	UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	800	1000	VOLTS
Maximum RMS voltage	V_{RMS}	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	V_{DC}	200	400	600	800	1000	VOLTS
Maximum average forward rectified current at $T_L=30^\circ\text{C}$ On glass-epoxy P.C.B (Note 1) On aluminum substrate (Note 2)	$I_{(AV)}$			1.5 2.0			Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}			50.0			Amps
Maximum instantaneous forward voltage at 2.0A	V_F			1.1			Volts
Maximum DC reverse current $T_A = 25^\circ\text{C}$ at rated DC blocking voltage $T_A = 125^\circ\text{C}$	I_R			5.0 500			μA
Typical junction capacitance (Note 3)	C_J			15.0			pF
Typical thermal resistance	R_{QJA}			75.0			$^\circ\text{C/W}$
Operating junction and storage temperature range	T_J, T_{STG}			-50 to +155			$^\circ\text{C}$

Note:1.Mounted on glass epoxy PC board with 1.3*1.3mm solder pad

2.Mounted on aluninum substrate PC board with 1.3*1.3mm solder pad

3.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

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

FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS

FIG. 5-TYPICAL JUNCTION CAPACITANCE
