

ABS02~ABS07

BRIDGE RECTIFIERS

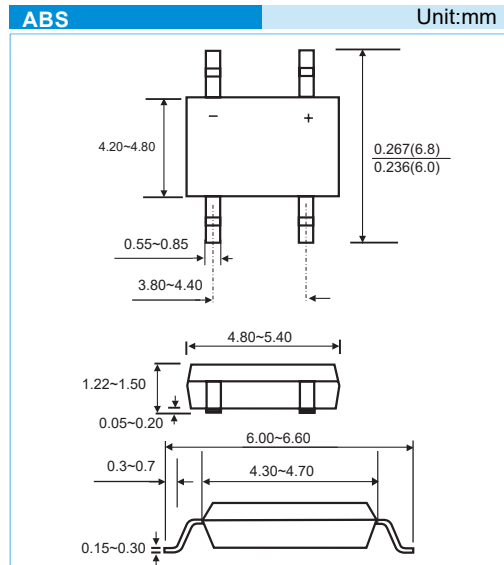
VOLTAGE 200 to 1000 Volt **CURRENT** 1.0 Ampere

FEATURES

- Glass Passivated Diode Construction
- Ideal for printed circuit board
- High surge current capability
- Lead free in compliance with EU RoHS

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	ABS02	ABS04	ABS05	ABS06	ABS07	UNITS
Maximum Recurrent 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 Current (see FIG.1)	$I_{F(AV)}$	1.0					A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	30					A
Maximum Forward Voltage at 0.4 A	V_F	0.95					V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	5 100					μA
Thermal Resistance(Note1)	$R_{\theta JA}$	80					$^{\circ}C / W$
Operating Junction Temperature Range	T_J	-55 to +150					$^{\circ}C$
Storage Temperature Range	T_{STG}	-55 to +150					$^{\circ}C$

Notes: 1. Device mounted P.C.B with 0.47x0.47"(12mmx12mm) Copper Pads.

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RATING AND CHARACTERISTIC CURVES

FIG.1-TYPRCAL FORWARD CURRENT DERATING CURVE

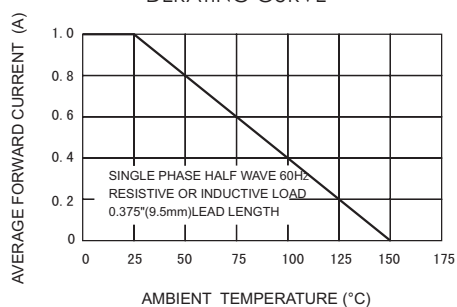


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

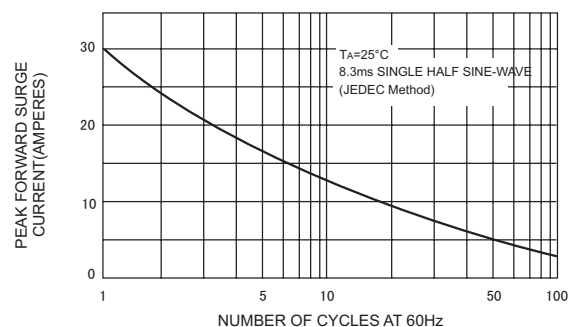


FIG3-TYPICAL JUNCTION CAPACITANCE

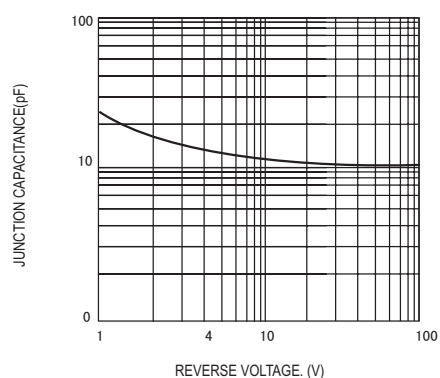


FIG4-TYPICAL FORWARD CHARACTERISTICS

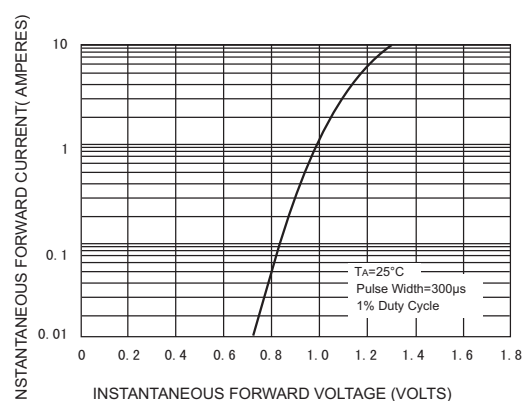
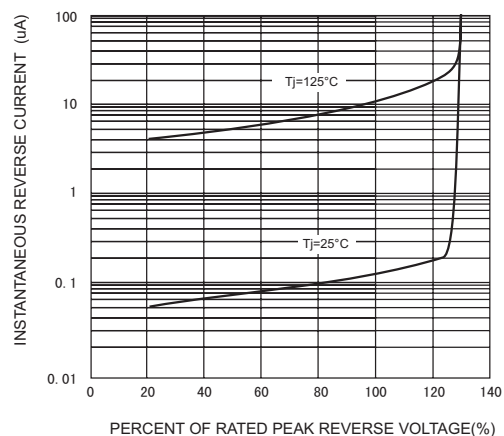


FIG.5-TYPICAL REVERSE CHARACTERISTICS



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ORDER INFORMATION

- Packing information

Part Number	Case	DELIVERY MODE	QUANTITY
ABS02~ABS07	ABS	13 Inch	5000/Reel