CTC ABS05-ABS10 RECTIFIER Datasheet

FEATURES
Rating to 1000V PRV
Ideal for printed circuit board
Reliable low cost construction utilizing molded plastic technique
The plastic material has UL flammability classification 94V-0
In compliance with EU RoHS 2002/95/EC directives

沛倫股份有限公司
Compact Technology Corp.

ABS05 thru ABS10

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE **- 50** to **1000** Volts
FORWARD CURRENT **- 1.0** Amperes

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- Rating to 1000V PRV
- Ideal for printed circuit board
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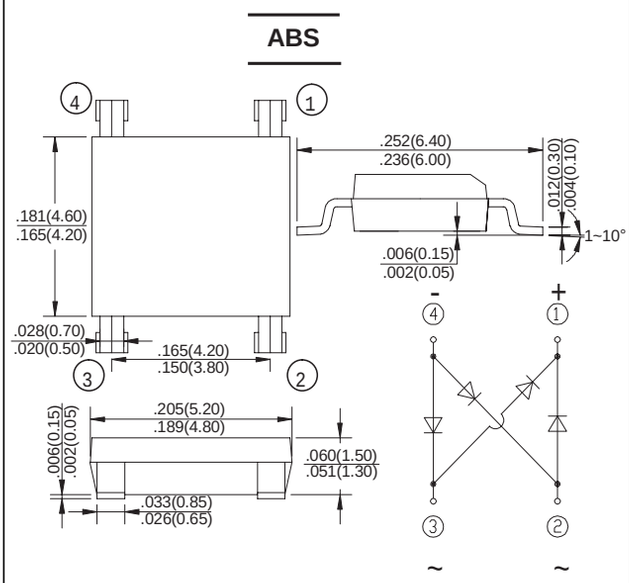
MECHANICAL DATA

- Polarity : As marked on Body
- Mounting position : Any



Unit: inches (mm)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

PARAMETER	SYMBOL	ABS 05	ABS 1	ABS 2	ABS 4	ABS 6	ABS 8	ABS 10	UNIT
Maximum recurrent peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS bridge input voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V
Maximum average forward rectified current @TA=50°C	IF	1.0							A
I^2t Rating for fuisng (t< 8.3mS)	I^2t	3.75							A^2sec
Peak forward surge current, single sine-wave superim posed on rated load (JEDEC method)	IFSM	30							A
Maximum instantaneous Forward Voltage Drop per element at 1.0A DC	VF	1.1							V
Maximum DC Reverse Current @TA=25°C at Rated DC Blocking Voltage @TA=100°C	IR	5.0 500							uA
Typical Theraml Resistance	RTHJA	55							'C/W
StorageTemperature Range	TSTG	-55 to +150							'C
Operating Temperature Range	TJ	-55 to +150							'C

FIG.1-FORWARD CURRENT DERATING CURVE

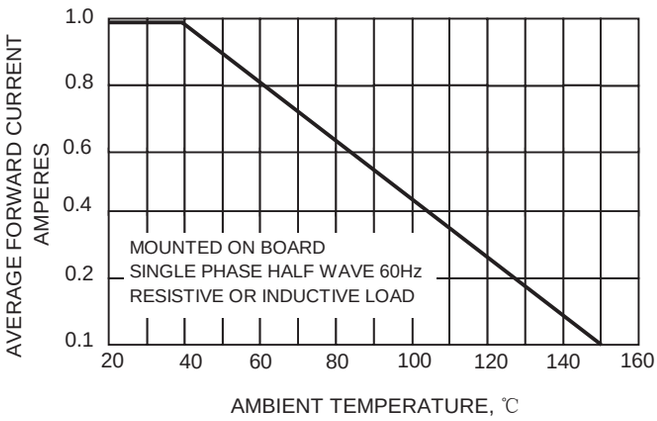


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

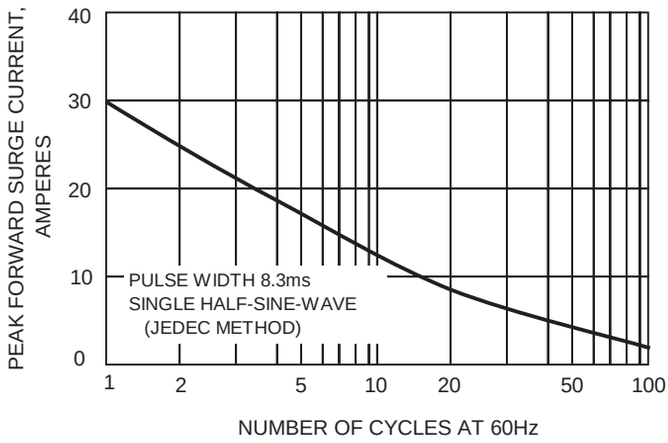


FIG.3-TYPICAL REVERSE CHARACTERISTICS

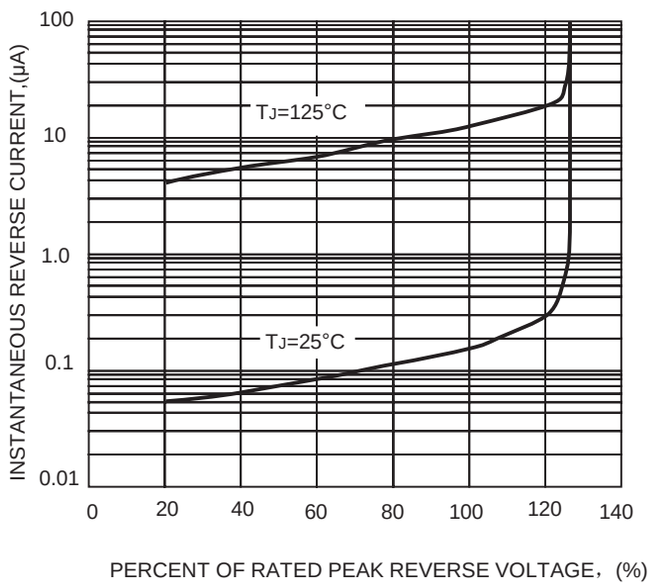


FIG.4-TYPICAL FORWARD CHARACTERISTICS