沛倫股份有限公司
Compact Technology Corp.

ABS05 thru ABS10

GLASS PASSIVATED BRIDGE RECTIFIERS

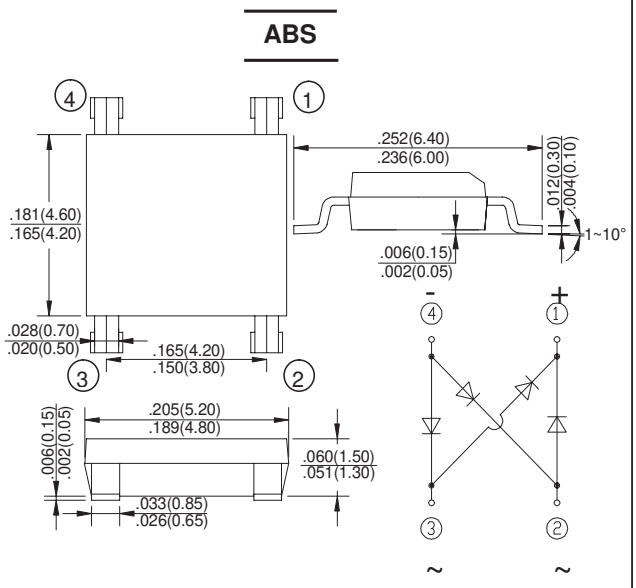
REVERSE VOLTAGE **- 50** to **1000** Volts
FORWARD CURRENT **- 1.0** Amperes

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

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%

特性	符號	ABS05	ABS1	ABS2	ABS4	ABS6	ABS8	ABS10	單位
最大重複峰值反向電壓	V_{RRM}	50	100	200	400	600	800	1000	V
最大均方根電壓	V_{RMS}	35	70	140	280	420	560	700	V
最大直流阻斷電壓	V_{DC}	50	100	200	400	600	800	1000	V
最大平均正向整流輸出電流 @ T_A=40℃	$I_{F(AV)}$	1.0							A
峰值正向浪湧電流 8.3ms 單一半正弦波疊加在額定負載上	I_{FSM}	50							A
最大正向電壓降 @ 1.0A	V_F	1.0							V
最大直流反向電流 @ T_A=25℃ @ T_A=125℃	I_R	5.0 500							μA
典型熱阻	R_{THJA}	55							°C/W
儲存溫度範圍	TSTG	-55 to +150							℃
工作結溫範圍	T_J	-55 to +150							℃

FIG.1-FORWARD CURRENT DERATING CURVE

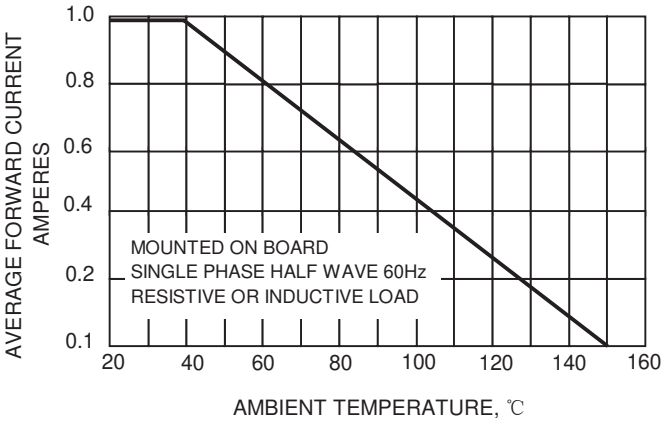


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

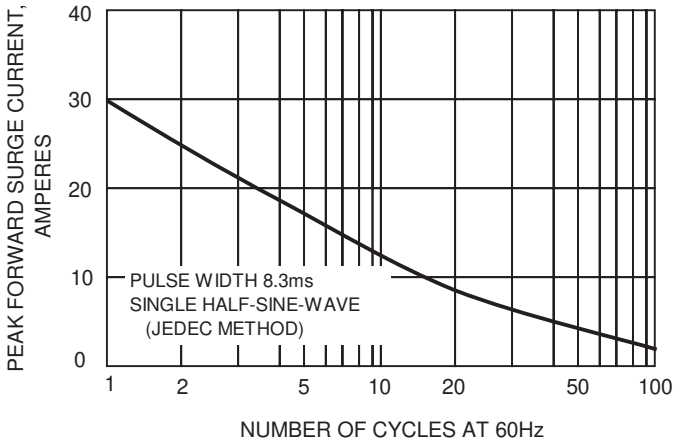


FIG.3-TYPICAL REVERSE CHARACTERISTICS

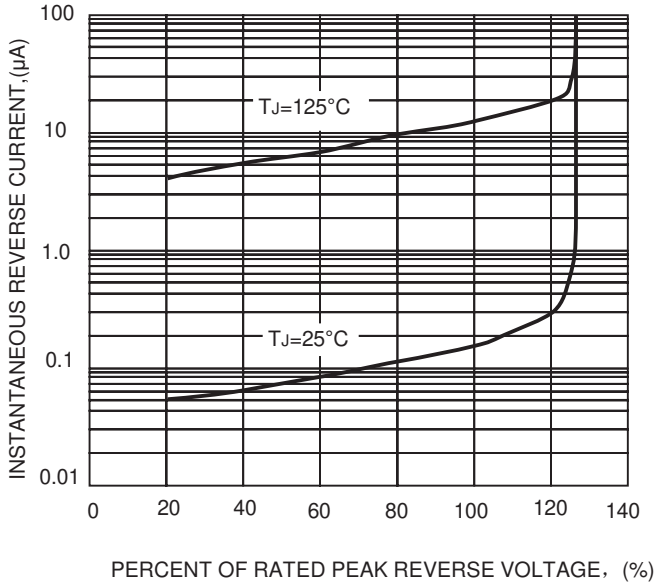


FIG.4-TYPICAL FORWARD CHARACTERISTICS

