

MDB01G THRU MDB07G

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

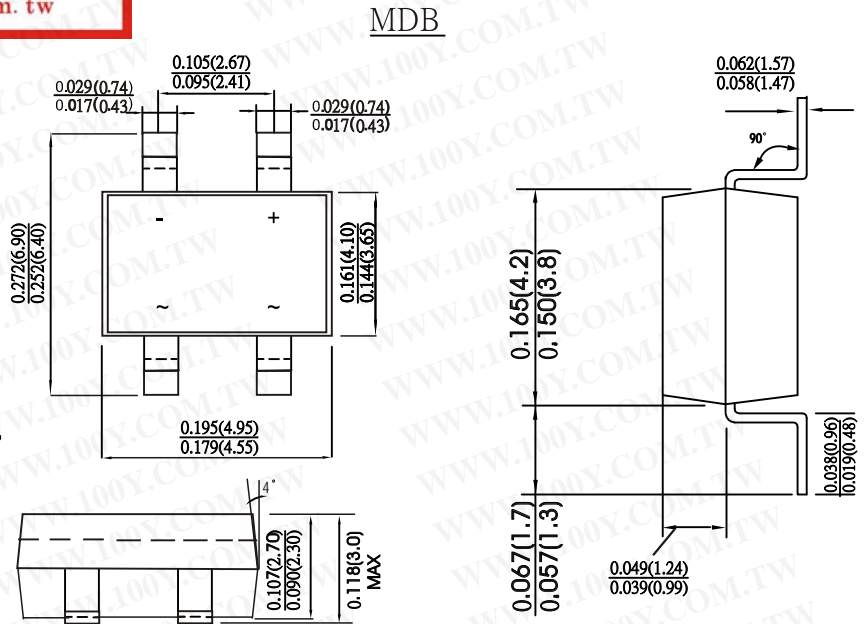
勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-54151736
胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

FEATURES:

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability

MECHANICAL DATA

Case : Molded plastic MDB
 Terminals : Plated terminals, solderable per MIL-STD-202, Method 208
 Polarity : Polarity symbols marked on body
 Mounting Position : Any
 Handling Precaution : None



Dimension in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temp. temperaturl unless otherwise specified.
 Single phase, half sine, wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20 %.

CHARACTERISTIC	SYMBOL	MDB	MDB	MDB	MDB	MDB	MDB	MDB	UNITS
		01G	02G	03G	04G	05G	06G	07G	
Maximum recurrent peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at Ta=40°C -on glass-epoxy P.C.B. -on aluminum substrate	I(AV)	0.5 0.8							Amps
Peak forward surge current 8.3mm single half sine-wave superimposed on rated load(JEDEC Method)	IFSM	30							Amps
Maximum instantaneous forward voltage @0.5 A	V _F	1.0							Volts
Maximum DC reverse current at rated DC blocking voltage	IR	5.0 500.0							μA
Operating junction ,and storage temperature range	T _J ,T _{STG}	-55 to +150							°C

RATINGS AND CHARACTERISTIC CURVES MDB01G THRU MDB07G

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FIG.1-DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

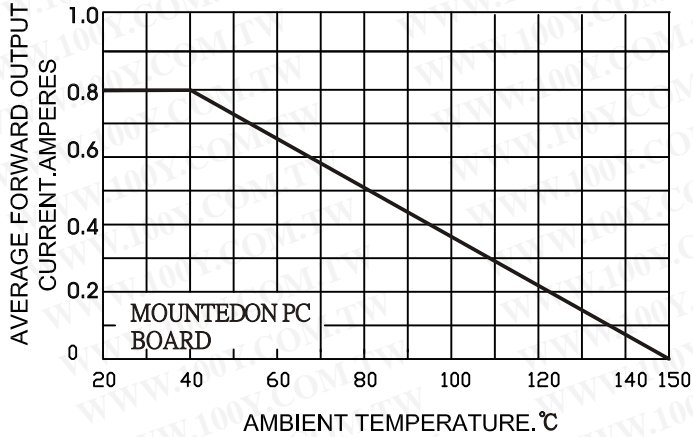


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

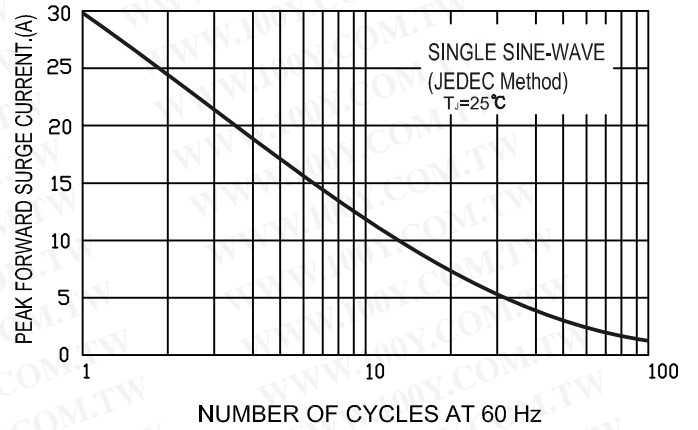


FIG.3-TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

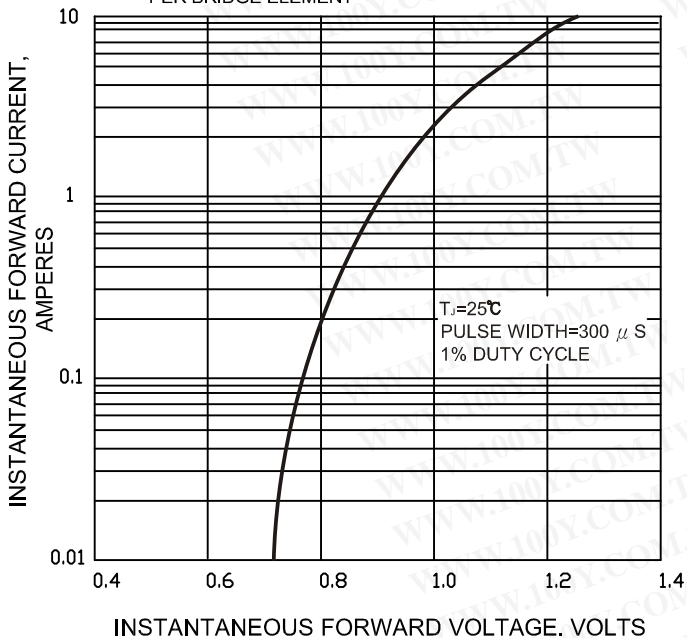


FIG.4-TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

