

TDS:EMIC

拓 電 半 導 體

自主封測 品質把控 售後保障

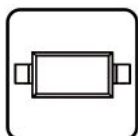
WEB | WWW.TDSEMIC.COM



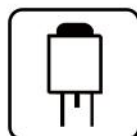
電源管理



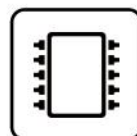
顯示驅動



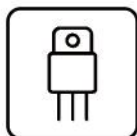
二三極管



LDO穩壓器



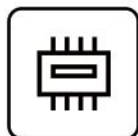
觸摸芯片



MOS管



運算放大器



存儲芯片



MCU



串口通信

MB10S

產品規格說明書

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE -50 to 1000 Volts
FORWARD CURRENT-0.8 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

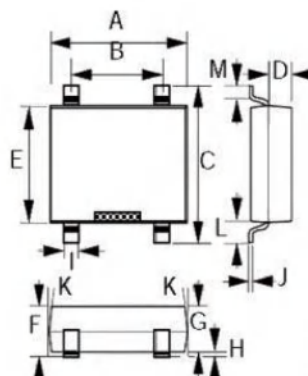
MECHANICAL DATA

Polarity:As marked on Body

Weight:0.0044 ounces,0.125 grams

Mounting position:Any

MBS



MBS		
DIM.	MIN.	MAX
A	4.50	4.90
B	2.30	2.70
C	—	7.00
D	0.90	1.30
E	3.80	4.20
F	—	3.00
G	2.30	2.70
H	—	0.20
I	0.50	0.80
J	0.15	0.35
K	5° TYPICAL	
L	1.30	1.70
M	0.70	1.10
All Dimensions in millimeter		

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	MB 1S	MB 2S	MB 3S	MB 4S	MB 6S	MB 8S	MB 10S	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=40°C	IF	0.8							A
² t Rating for fusing(t<8.3mS)	I ² t	3.735							A ² sec
Peak forward surge current, single sine-wave superimposed on rated load (JEDEC method)	IFSM	30							A
Maximum instantaneous Forward Voltage Drop per element at 0.8A 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 junction capacitance per leg(note1)	C	15							pF
Typical Thermal Resistance Per leg (note2)	ReJA ReIC	75 20							°C/W
Operating&StorageTemperature Range	Tj&TsTG	55 to+150							°C

note1.Measured at 1.0MHz and applied reverse voltage of 4.0 volts

note2. Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B with 0.5x0.5"(13x13mm)copper pads.

Rating and Characteristic Curves

