

Rev.D May.-2017

0.8A

UMB

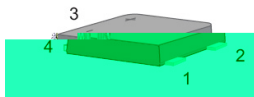
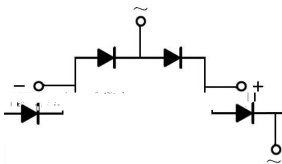
0.8A Surface Mount Glass Passivated Bridge Rectifier,UMB thin package.

100V~1000V

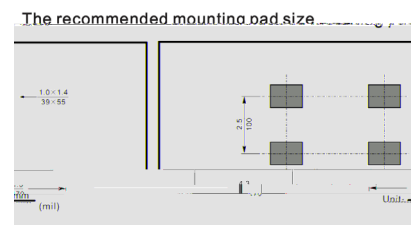
0.8A

Glass Passivated Chip Junction, High Surge Current Capability, Reverse Voltage :100 to 1000V, Forward Current: 0.8A, Designed for Surface Mount Application. HF product.

General purpose.



PIN	DESCRIPTION
1	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)



See Marking Instructions.

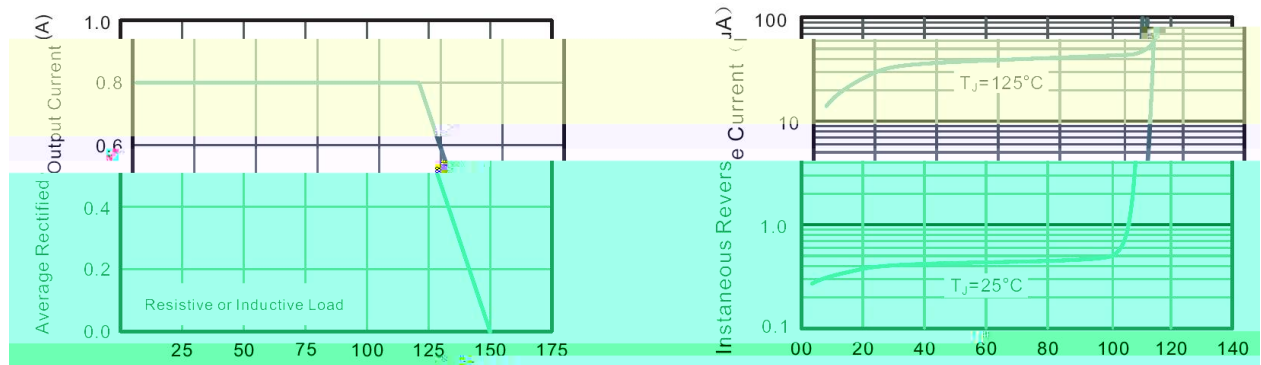
Parameter	Symbol	Rating						Unit
		UM1B	UM2B	UM4B	UM6B	UM8B	UM10B	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Average Rectified Output Current at $T_a = 40$	I_o	0.8						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	25						A
Typical Junction Capacitance Note1	C_i	13						pF
Typical Thermal Resistance Note2	R_{JA}	110						/W
Operating and Storage Temperature Range	T_j, T_{stg}	-55~150						

Note:

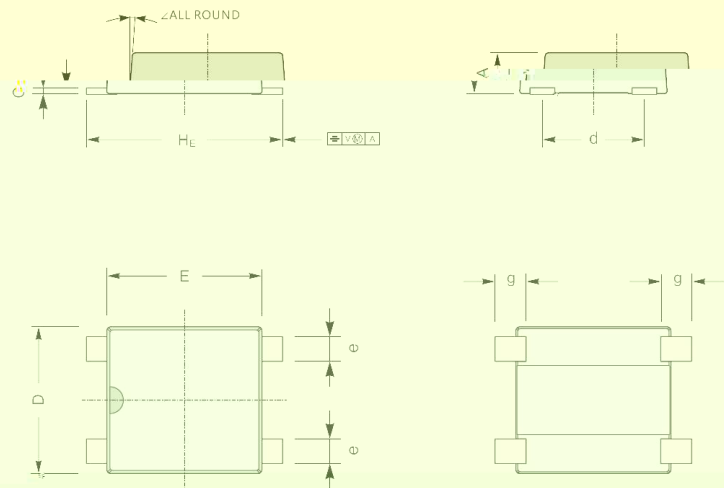
1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. P.C.B. mounted with 4x1.5 x1.5 (3.81x3.81cm) copper pad areas.

Parameter	Symbol	Test Conditions	Rating	Unit
Forward Voltage per element	V_F	$I_F=0.4A$	1.0	V
		$I_F=0.8A$	1.1	
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I_R	$T_a=25$	3.0	A
		$T_a=125$	30	

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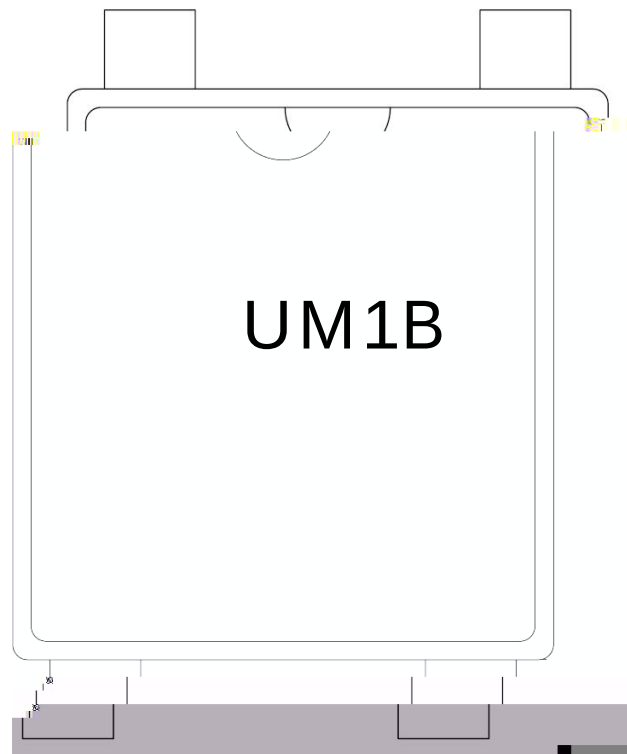
UMB



UMB mechanical data

UNIT		A	C	D	E	H _E	g	d	e	$\angle$
mm	max	1.2	0.20	3.8	4.0	5.1	0.82	2.7	0.70	7°
	min	1.0	0.12	3.4	3.6	4.6	0.51	2.3	0.51	
mil	max	47	7.9	150	157	201	32	106	28	
	min	39	4.7	134	142	181	20	91	20	

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UM1B

1 *

3 *

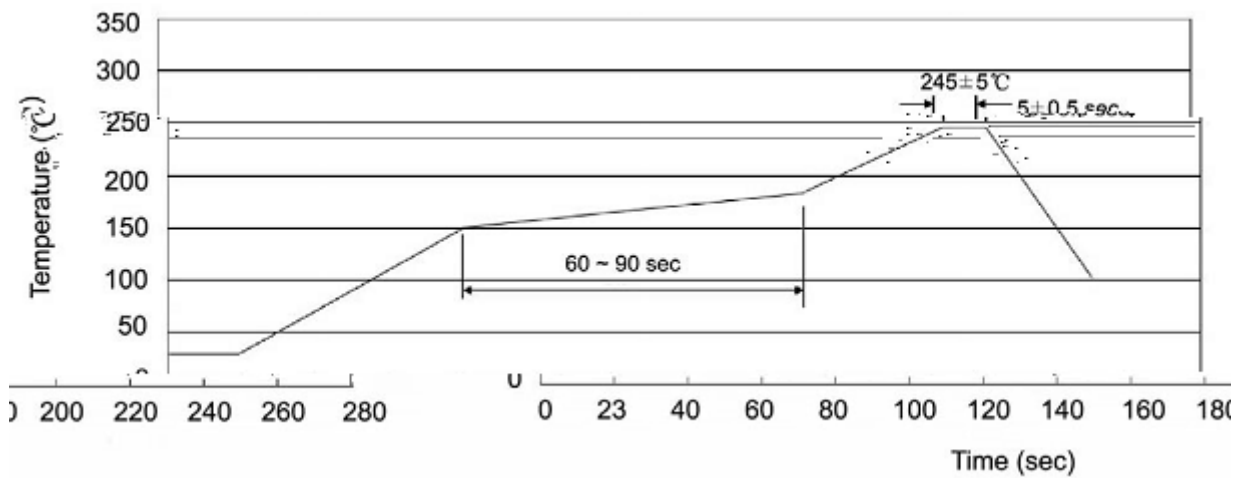
Note:

UM1B Product Type Code

Lot No. Code The 1st * means:YM Code The last 3 * means:little Lot

No Code

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|-----------|--------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | 5±0.5sec; | | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box