4.0A UMSB

4.0A Surface Mount Glass Passivated Bridge Rectifier,UMSB thin package.

100V~1000V 4.0A

Glass Passivated Chip Junction, High Surge Current Capability, Reverse Voltage :100 to 1000V, Forward Current: 4.0A, Designed for Surface Mount Application. HF product.

. d ssil purp7(d 3 V)57.3s.8(ckage2 1 Tf12 0 0 1253)]TJ 698.9003 Tm0 Tc0 Tw4 128.2.8(c0 Tw4 1)7..8(c0

Parameter	Symbol	Rating						Unit
		MSB40B	MSB40D	MSB40G	MSB40J	MSB40K	MSB40M	
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	I_o	4.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine W8SineSave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	95						A
Typical Junction Capacitance Note1	C_i	50						pF

Fig.1 Average Rectified Output Current Derating Curve

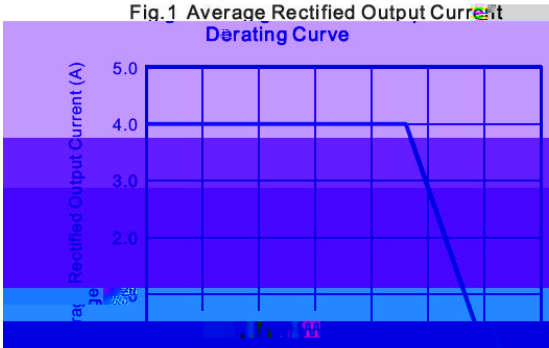
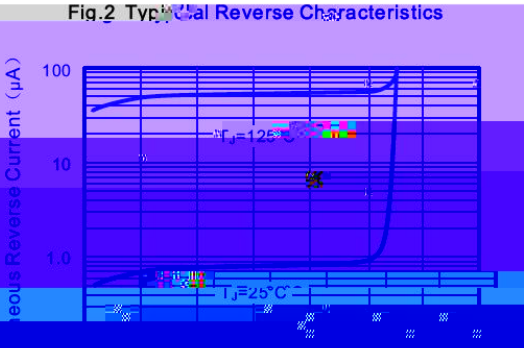
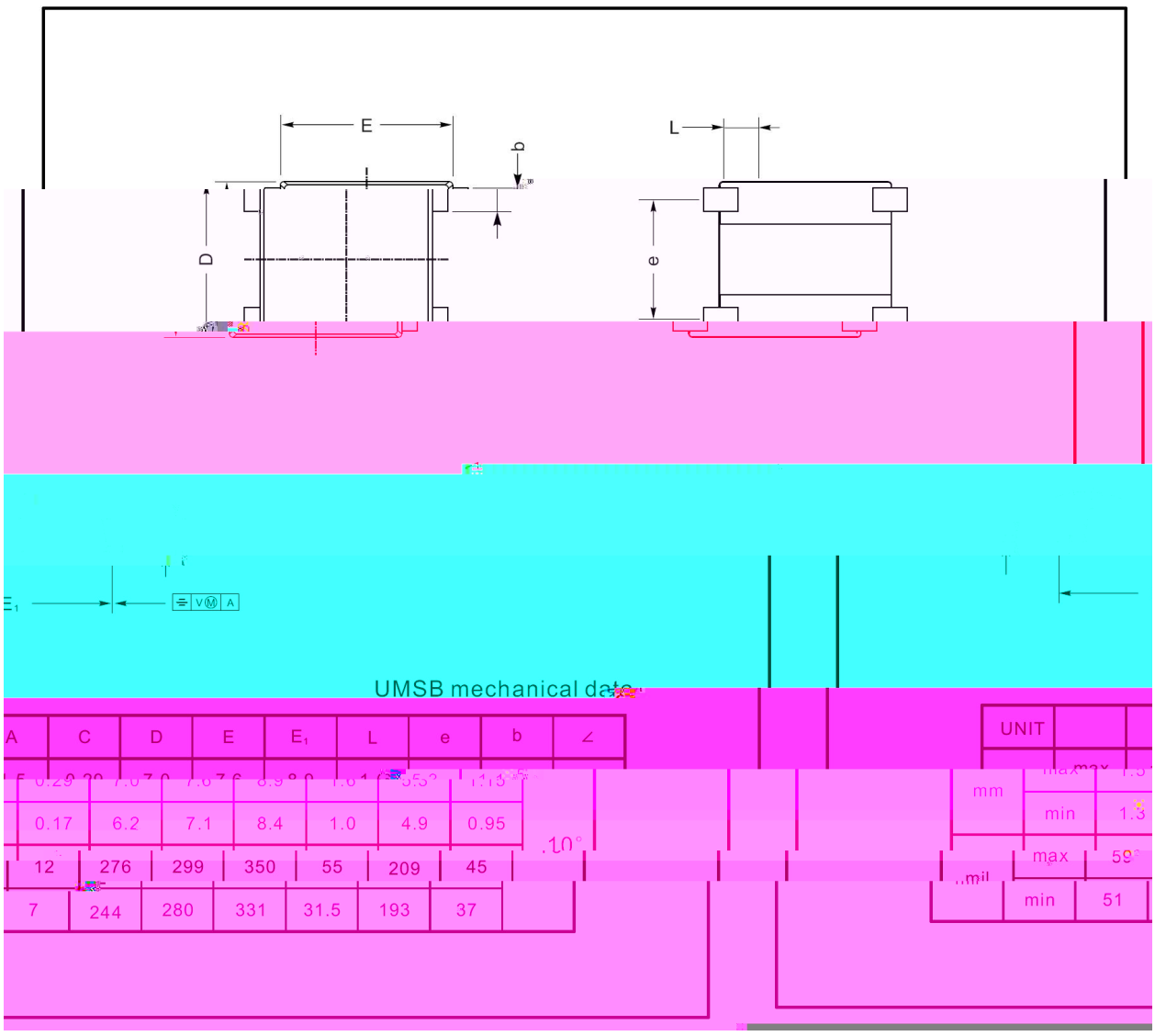


Fig.2 Typical Reverse Characteristics



UMSB



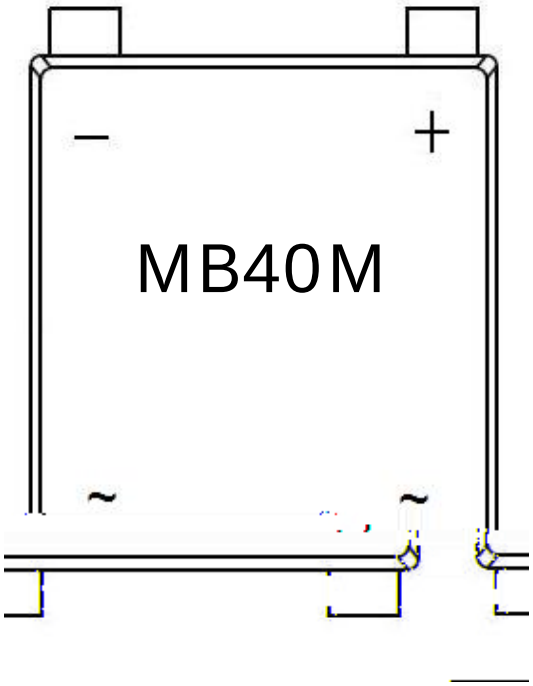
UMSB mechanical data:

A	C	D	E	E_1	L	e	b	∠
0.17	6.2	7.1	8.4	1.0	4.9	0.95		10°
12	276	299	350	55	209	45		
7	244	280	331	31.5	193	37		

UNIT		
mm	min	1.3
	max	59
mil	min	51

Marking

umber	Marking code	Type n
40B	MB40B	MSB4
40D	MB40D	MSB4
40G	MB40G	MSB4
40J	MB40J	MSB4
40K	MB40K	MSB4
40M	MB40M	MSB4



MB40M

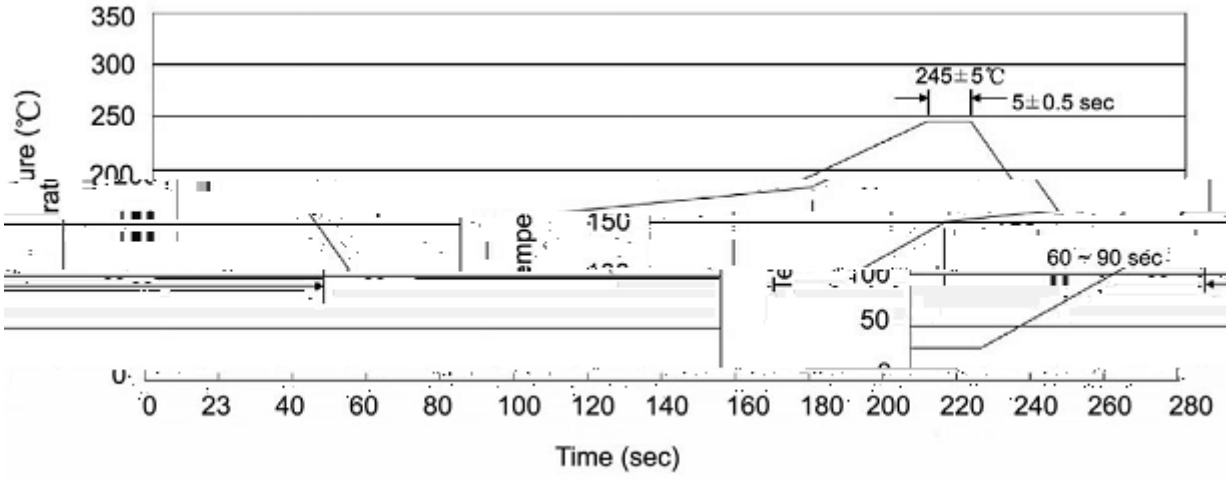
1 * 3 *

Note:

MB40M 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 Type14 Tc.9Tec.mû