

5 Ø / Descriptions

4.0A n μÉx ì Hdý v k V " UMSB / xo
4.0A Surface Mount Glass Passivated Bridge Rectifier,UMSB thin package.

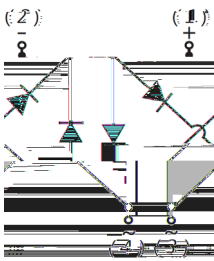
/“ / Features

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) í D } o
Glass Passivated Chip Junction, Reverse Voltage :100 to 1000V,Forward Current: 4.0A, Fast reverse recovery time, Designed for Surface Mount Application, HF product.

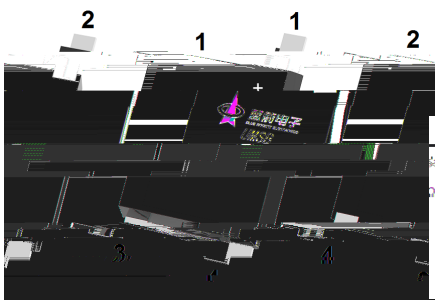
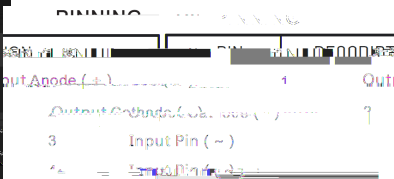
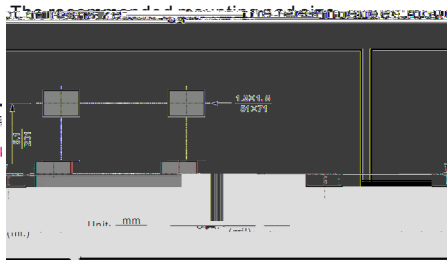
— ÷ / Applications

% † " (o
General purpose.

^ W] Ô / Equivalent Circuit



Ô æ / Pinning

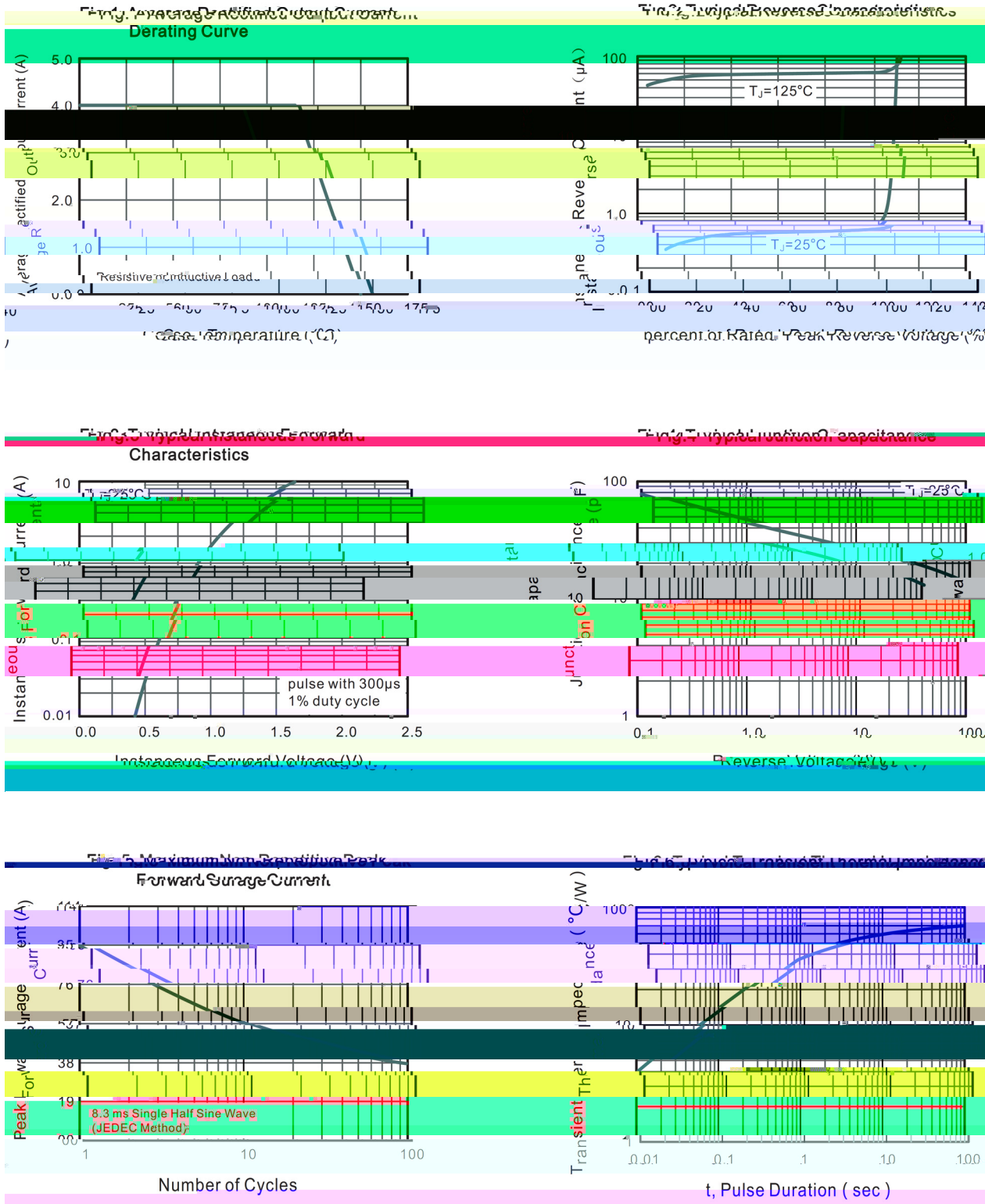


, M V / Marking

- ~ “ ¢ o
See Marking Instructions.

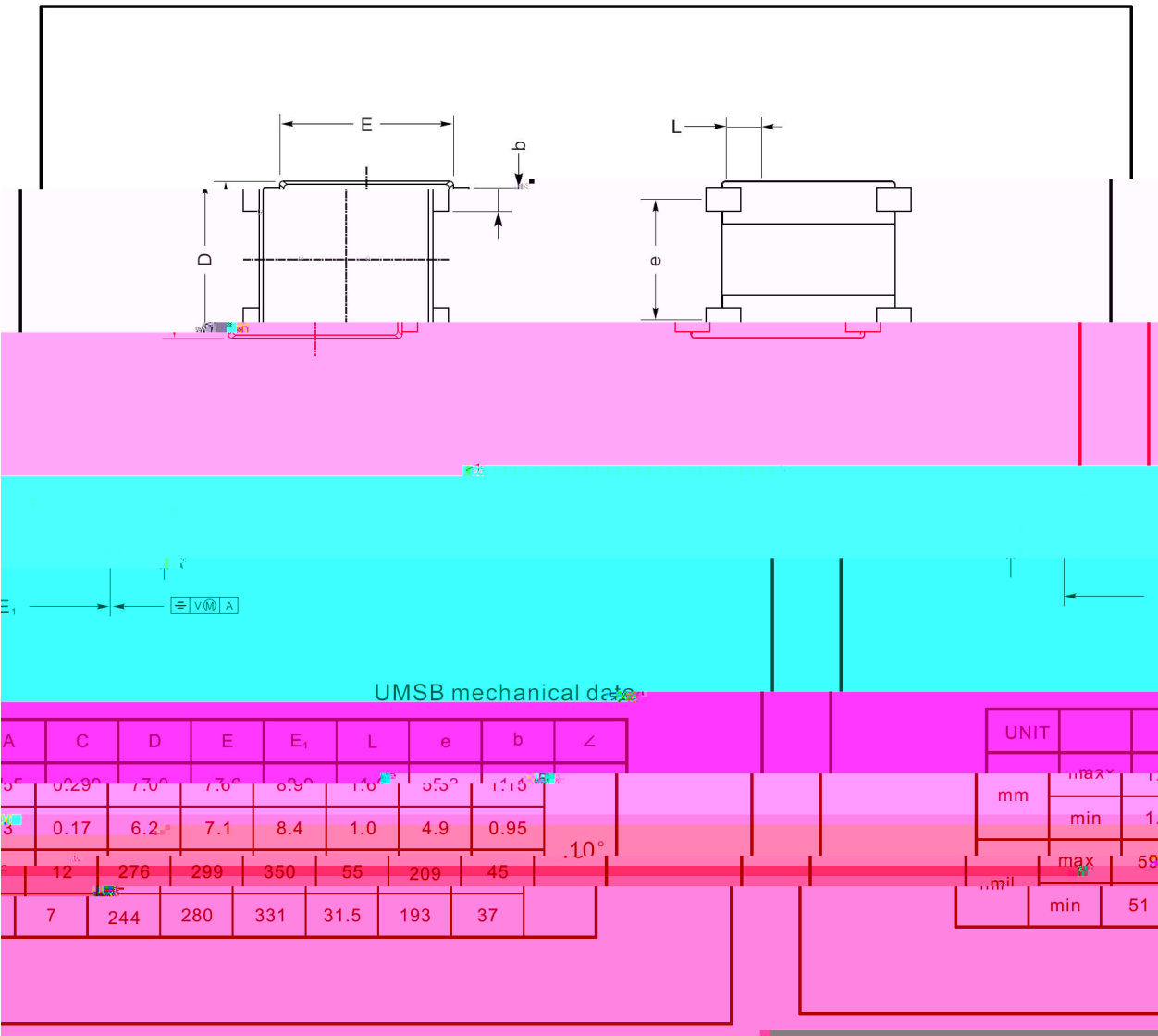
@ Parameter	Z Symbol	Rating						% y Unit
		FMSB40B	FMSB40D	FMSB40G	FMSB40J	FMSB40K	FMSB40M	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	V
Average Rectified Output Current at Tc = 115 -	I _o	4.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	95						A
Typical Junction Capacitance ^{~ Note1 ~}	C _j	50						pF
	R _{JA}	60						rC/W
				15				
	R _{JL}	25						
Maximum Reverse Recovery Time ^{~ Note3 ~}	t _{rr}	150			250	500		ns
Operating and Storage Temperature Range	T _j , T _{stg}	-55~+150						

Electrical Characteristic Curve



Ø =) ¢ / Package Dimensions

UMSB



, M y / Marking Instructions



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FMB40M y ” Z W A
**** y ÿD Z W A k ÿD Z J

Note:

FMB40M y Product Type Code
**** y 2 U Z 4 U) U J K I U J K I N G T M K J O Z N 2 U Z 4 U

Marking

Type number	Marking code
FMSB40B	FMB40B
FMSB40D	FMB40D
FMSB40G	FMB40G
FMSB40J	FMB40J
FMSB40K	FMB40K
FMSB40M	FMB40M

WD t ¢ (x /) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

“ ¢ y

1o ~ % 150 ~180 - k 60 ~90sec;

2o Q 245 r5 - k 4 Ò 5 r0.5sec;

3o D N òi Ò , 2 %10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

´D /Cª p fl »] / Resistance to Soldering Heat Test Conditions

y 260 r5 - y 10 r1 sec. Temp.:260±5 Time:10±1 sec

G P Æ / Packaging SPEC.

2 & x / REEL

Package Type 7>ß E	Units ;>ß fH	Dimension ;>ß p . (unit ~ mm³)
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