5 é / Descriptions

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Surface Mount Fast Recovery Rectifiers, Reverse Voltage y 1000V, Forward Current:3.0A ,SMAF thin package.

¤ ª / Features

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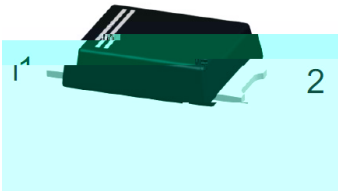
Glass Passivated Chip Junction, Fast reverse recovery time, Lead free in comply with EU RoHS 2011/65/EU directives, For surface mounted applications. Halogen free product.

Ð ÷ / Applications

%² " (
General purpose.

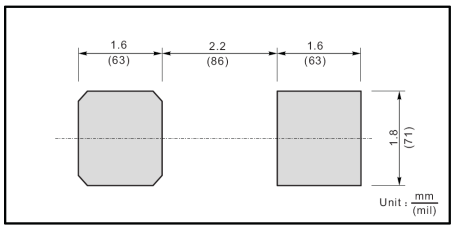
Ã W] Ô · / Equivalent Circuit

• Û - æ / Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



, M V / Marking

• - ~ ª ¢ož See Marking Instructions.

@ ƒ Parameter	… Z Symbol	ƒ › Rating	% y Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Maximum Average Forward Rectified Current at Tc = 100	$I_{F(AV)}$	3.0	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	80	A
Typical Junction Capacitance at[1]	C_j	60	pF
Typical Thermal Resistance [2]	R_{JA}	50	/W
Operating and Storage Temperature Range	T_j,T_{stg}	-55~+150	

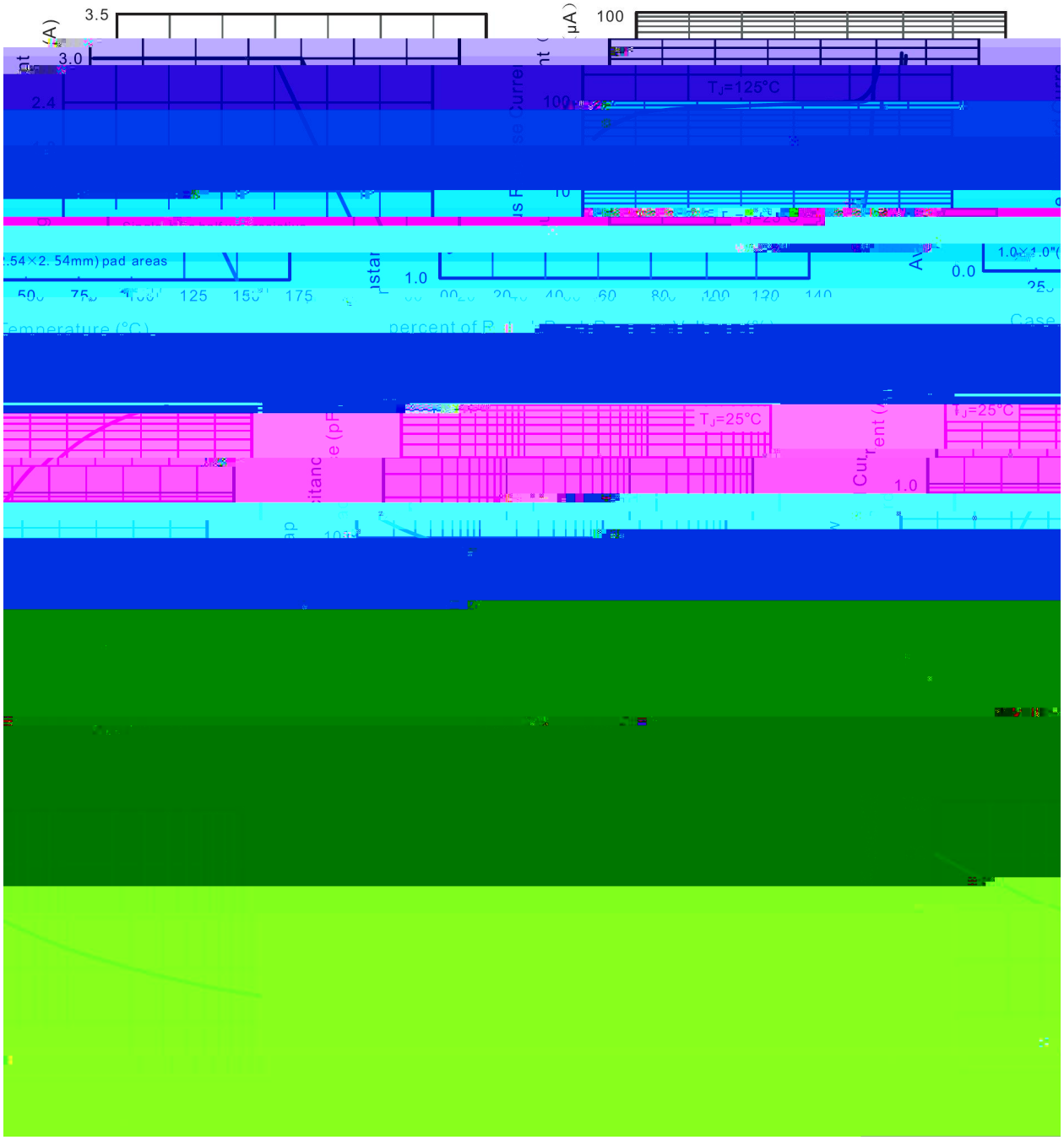
Note:

1)Measured at 1MHz and applied reverse voltage of 4V D.C.

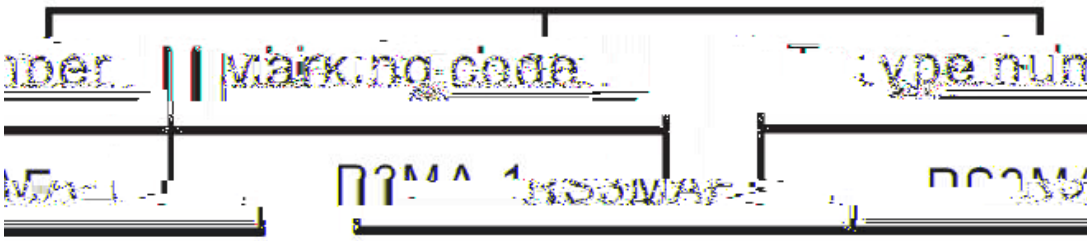
2)P.C.B. mounted with 1.0 X 1.0" (2.54 X 2.54 cm) copper pad areas.

@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	D Rating	% y Unit
Maximum Instantaneous Forward Voltage	V_F	I_F=3.0A	1.3	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	T_a=25		

Ô ? d • Ž ¢ / Electrical Characteristic Curve



, M y ƒ / Marking Instructions



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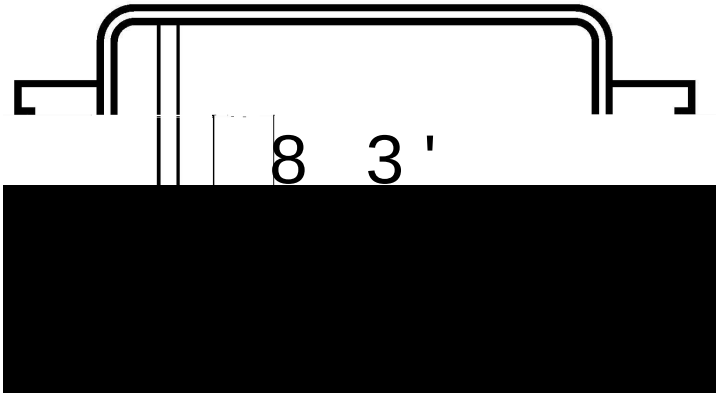

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8 3 ' y º Z W A

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Note:

8 3 ' y Product Type Code

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