



Absolute Maximum Ratings(Ta=25 ; )

@ f Parameter	@ f ... Z Symbol	f › Rating	% y Unit
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	1000	V
Maximum RMS voltage	V <sub>RMS</sub>	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	1000	V
Maximum Average Forward Rectified Current at Tc = 100	I <sub>F(AV)</sub>	3.0	A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	100	A
Typical Junction Capacitance <sup>1</sup>	C <sub>j</sub>	60	pF
Typical Thermal Resistance <sup>2</sup>	R <sub>JA</sub>	45	/W
Operating Junction Temperature Range	T <sub>j</sub>	-55~+150	
Storage Temperature Range	T <sub>stg</sub>	-55~+150	

Note:

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

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

Electrical Characteristics(Ta=25 ; )

@ f Parameter	@ f ... Z Symbol	y ; Ú ^ Test condition	f › Rating	% y Unit
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =3.0A	1.3	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I <sub>R</sub>	T <sub>a</sub> =25	5.0	fA
		T <sub>a</sub> =125	150	
Maximum Reverse Recovery Time	t <sub>rr</sub>	I <sub>F</sub> = 0.5 A I <sub>R</sub> = 1 A I <sub>rr</sub> = 0.25 A	200	ns

Ō ? d • Ž ϕ / Electrical Characteristic Curve



, M y f / Marking Instructions

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<sup>a</sup> ç y

R3MB y ° Z W A

\*\*\*\* y ÿ D Z A Ç A k † 1 \* v ã W A k e µ 3 \* ç ã 4 Z W A

Note:

R3MB y Product Type Code

\*\*\*\* y Lot No. Code kThe 1st \* means:YM Code kThe last 3 \* means:little Lot No Code

š WD t... • Ž ϕ (x/ ) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

<sup>a</sup> ϕ y

- 1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;
- 2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;
- 3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

- 1.Preheating:150~180 - , Time:60~90sec.
- 2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.
- 3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ~ » ] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260 r5 - Time:10 r1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type  
ß m ù ´