Ã a ? d / Absolute Maximum Ratings(Ta=25 ;)

@ ƒ Parameter	@ ƒ … 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,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	100	A
Typical Junction Capacitance[1]	C_j	60	pF
Typical Thermal Resistance[2]	R_{JA}	45	/W
Operating Junction Temperature Range	T_j	-55~+150	
Storage Temperature Range	T_{stg}	-55~+150	

Note:

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

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

Ô4ì × ? d / Electrical Characteristics(Ta=25 ;)

@ ƒ Parameter	@ ƒ … Z Symbol	y ¡ Ú ^ Test condition	ƒ › 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	5.0	fA
		T_a=125	150	
Maximum Reverse Recovery Time	t_{rr}	I_F = 0.5 A I_R = 1 A I_{rr} = 0.25 A	200	ns

Ô ? d • Ž ¢ / Electrical Characteristic Curve

, M y ƒ / Marking Instructions

, M y ƒ / Marking Instructions

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R3MB y º Z W A

**** y ÿ D Z AÇ A k † 1 * v Ã W A k e µ 3 * ¢ 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 ¢ (x /) / : K S V K X G Z [X K 6 X U L O R K L U X / 8 8 K L R U] 9 U R J K X O T M 6

ª ¢ y	Note:
1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;	1.Preheating:150~180 - , Time:60~90sec.
2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;	2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.
3o•D N ò i Ò 0 , † 2 ½10 - /sec.	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 ´