

Table 1 / Absolute Maximum Ratings(Ta=25 °C ;)

Parameter	Symbol	Rating	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_{FAV}	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 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.

Table 2 / Electrical Characteristics(Ta=25 °C ;)

Parameter	Symbol	Test condition	Rating	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 f / Marking Instructions

, M y f / Marking Instructions

8 3 (

^a ¢ y

R3MB y ° Z W A

**** y ÿ D Z A Ç 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

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

^a¢y

1o•Ä½“† 150½180 - kž• 60½90sec;
2o•Q>“† 245 r5 - kž•4 Ò 5 r0.5sec;
3o•D Nò i Ò 0 ,† 2½10 - /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 ´