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

@ ƒ Parameter	… Z Symbol	ƒ › Rating							% y Unit
		S5AB	S5BB	S5DB	S5GB	S5JB	S5KB	S5MB	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current	$I_{F\ ÄAV\ Å}$	5.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	200							A
Typical Junction Capacitance at VR=4V f=1MHz	C_j	40							pF
Typical Thermal Resistance [1 Å]	$R_{\ JA}$	48							/W
	$R_{\ JC}$	16							
Operating and Storage Temperature Range	T_j,T_{stg}	-55~+150							

Note:

1)ËP.C.B. mounted with 2.0 X 2.0" (5 X 5cm) copper pad areas.

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

@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	D Rating							% y Unit
			S5AB	S5BB	S5DB	S5GB	S5JB	S5KB	S5MB	
Maximum Instantaneous Forward Voltage	V_F	I_F=5.0A	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	T_a=25	10							A
		T_a=125	100							A

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø ¤ =) ¢ / Package Dimensions

, M y ƒ / Marking Instructions

, M y ƒ / Marking Instructions

9 '

****

ª ¢ y

9 ' y º Z W A

**** y ÿ D Z AÇ A k † v Ã W A k e µ ¢ Ã 4 Z W A

Note:

9 ' 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 r 5 - k ž • 4 Ò 5 r 0.5sec;	2.Peak Temp.:245 r 5 - , Duration:5 r 0.5sec.
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 r 5 - ž • y 10 r 1 sec.	Temp.:260 r 5 - Time:10 r 1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type ß m ù ´	Units g m ô h	Dimension