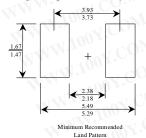
勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw



RGF1A - RGF1M

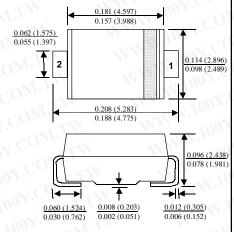
Features

- · Glass passivated junction.
- For surface mounted application.
- · Low forward voltage drop.
- High current capability.
- · Easy pick and place.
- · High surge current capability.









1.0 Ampere Fast Recovery Rectifiers

Absolute Maximum Ratings* T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units	
lo	Average Rectified Current @ T _L = 125°C	1.0	A	
İf(surge)	Peak Forward Surge Current 8.3 ms single half-sine-wave Superimposed on rated load (JEDEC method)	30	A W mW/°C	
P_D	Total Device Dissipation Derate above 25°C	1.76 11.7		
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient **	85	°C/W	
$R_{\theta JL}$	Thermal Resistance, Junction to Lead**	28	°C/W	
T _{stg}	Storage Temperature Range	-65 to +175	CO. C	
TJ	Operating Junction Temperature	-65 to +175	O °C	

 $^{^{\}star}$ These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

Electrical Characteristics T_A = 25°C unless otherwise noted

Parameter	Device						Units	
	1A	1B	1D	1G	1J	1K	1M	Mo.
Peak Repetitive Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
DC Reverse Voltage (Rated V _R)	50	100	200	400	600	800	1000	V
Maximum Reverse Current @ rated V_R $T_A = 25^{\circ}C$ $T_A = 125^{\circ}C$		WWW	100X	5.0 100				μA μA
Maximum Forward Voltage @ 1.0 A		WW		1.3				V
Maximum Reverse Recovery Time I _F = 0.5 A, I _R = 1.0 A, I _{rr} = 0.25 A	150 250 500					nS		
Typical Junction Capacitance V _R = 4.0 V, f = 1.0 MHz				8.5				pF

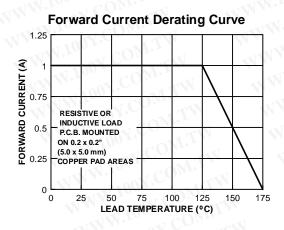
^{**}Device mounted on FR-4 PCB 0.013 mm.

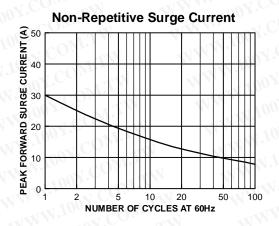
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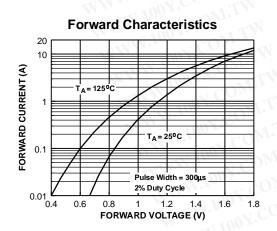
Fast Recovery Rectifiers

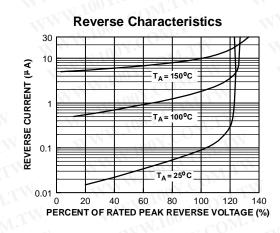
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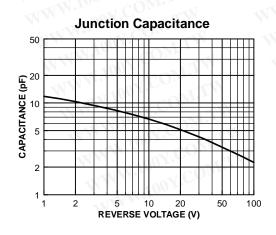
Typical Characteristics











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WWW.100Y.COM.TW 100 Y.COM.T SMA/DO-214AC Package Dimensions

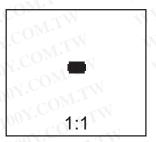


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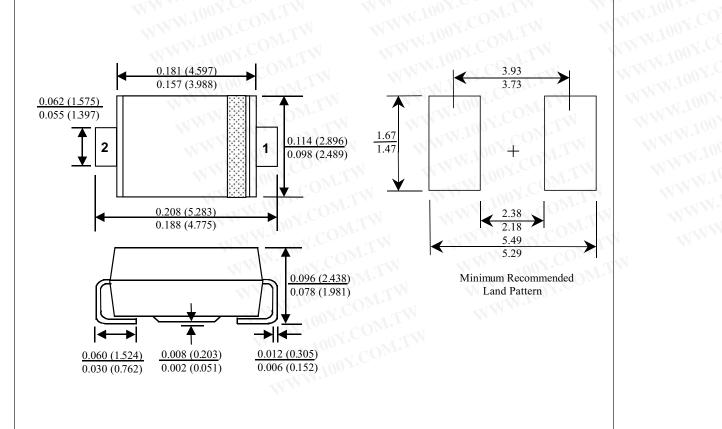
NWW.100Y.COM. SMA/DO-214AC (FS PKG Code P5)





Scale 1:1 on letter size paper Dimensions shown below are in: inches [millimeters]

Part Weight per unit (gram): 0.064



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