



Rev. A Aug.-2020

50V ~ 1000V 2.0A SMA

Surface Mount Fast Recovery Rectifiers, Reverse Voltage 50 to 1000V, Forward Current: 2.0A, SMA package.

RoHS 2011/65/EU

Glass Passivated Chip Junction, Lead free in comply with EU RoHS 2011/65/EU directives, For surface mounted applications. HF product.

General purpose.



See Marking Instructions.



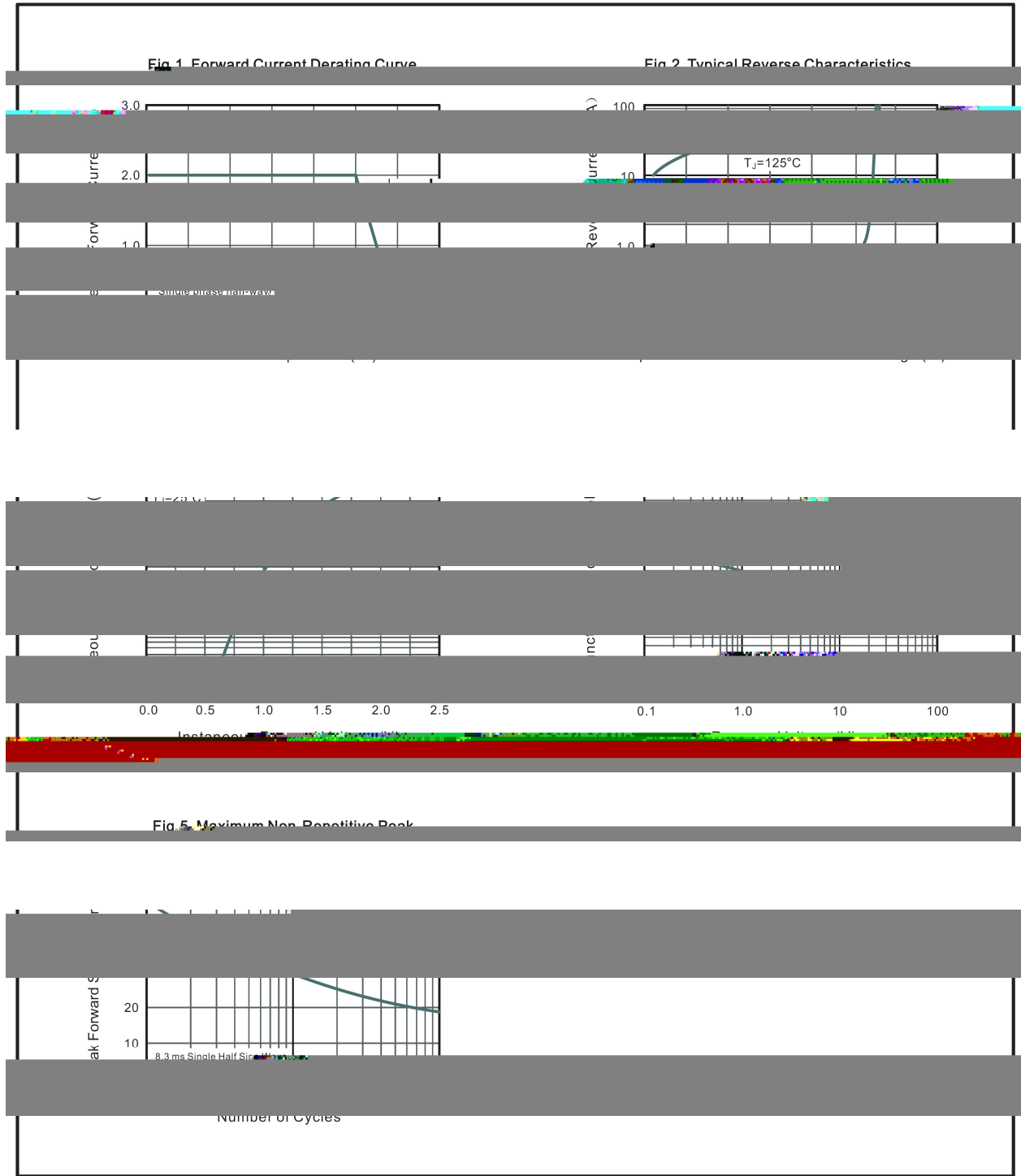
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参数 Parameter	符号 Symbol	数值 Rating							单位 Unit
		RS2A	RS2B	RS2D	RS2G	RS2J	RS2K	RS2M	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at $T_c = 125^\circ\text{C}$	$I_{F(AV)}$	2.0							A
Peak Forward Surge Current 8.3 ms Single HalfSine Wave Superimposed on Rated Load	I_{FSM}	50							A
Typical Junction Capacitance at $V_R=4V$ $f=1\text{MHz}$	C_j	22							pF
Typical Thermal Resistance ¹⁾	R_{JA}	65							°C/W
	R_{JC}	20							
Operating and Storage Temperature Range	T_j, T_{stg}	-55~+150							°C

Note:

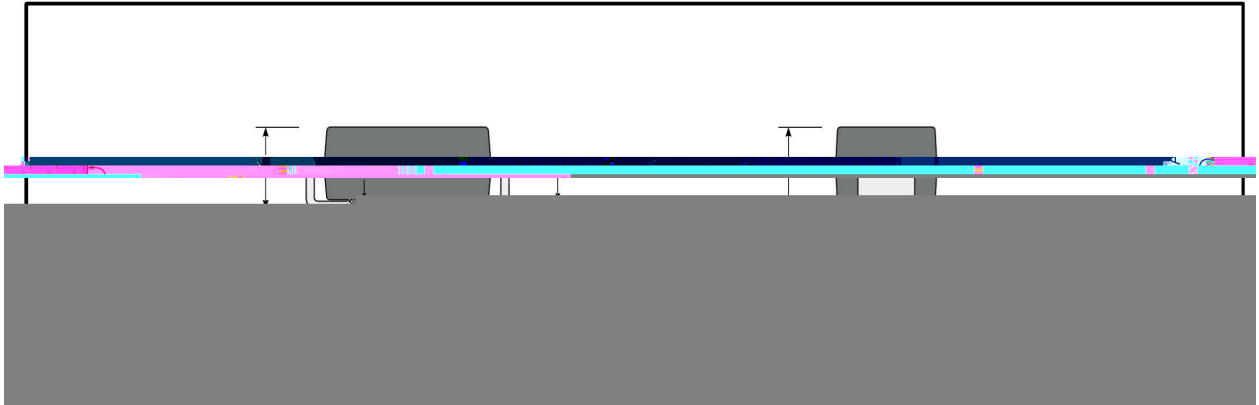
1) P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

参数 Parameter	符号 Symbol	测试条件 Test Conditions	数值 Rating						单位 Unit
			RS2A	RS2B	RS2D	RS2G	RS2J	RS2K	
Maximum Instantaneous Forward Voltage	V_F	$I_F=2.0A$	1.3						V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	$T_a=25^\circ\text{C}$	5.0						μA
		$T_a=125^\circ\text{C}$	100						μA
Maximum Reverse Recovery Time	t_{rr}	$I_F = 0.5 A$ $I_R = 1 A$ $I_{rr} = 0.25 A$	150			250	500		ns

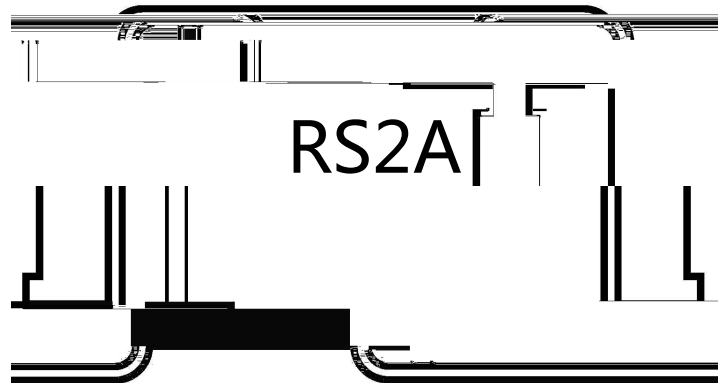




SMA



UNIT	A	D	E	H _E	c	e	g	g ₁
min	1.9	4.0	2.2	4.7	0.15	1.2	0.0	0.0



RS2A

1 *

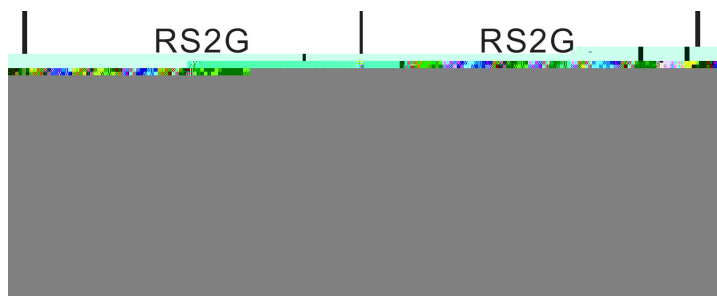
3 *

Note:

RS2A Product Type Code

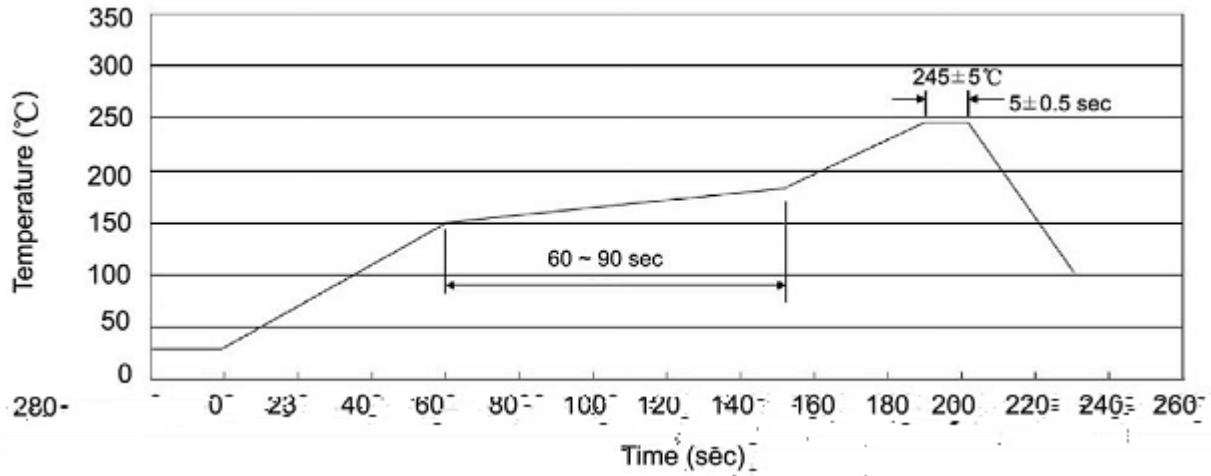
Lot No. Code The 1st * means:YM Code The last 3 * means:little Lot No Code

Marking





Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type

Units

Dimension