



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 **SR5200**

Features

- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- High Current Capability
- Low Forward Voltage Drop
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

Operating Temperature: -65°C to +150°C
Storage Temperature: -65°C to +150°C

I	MCC	Device	Maximum	Maximum	Maximum
	Catalog	Marking	Recurrent	RMS	DC
	Number		Peak	Voltage	Blocking
			Reverse		Voltage
			Voltage		
Ī	SR5200	SR5200	200V	140V	200V

Electrical Characteristics @ 25°C Unless Otherwise Specified

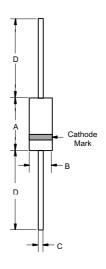
Average Forward Current	I _{F(AV)}	5.0A	T _L = 100°C
Peak Forward Surge Current	I _{FSM}	150A	8.3ms, half sine
Maximum Instantaneous Forward Voltage (Note2)	V_{F}	0.95V	I _{FM} = 5.0A; T _A = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	0.5mA 25mA	T _A = 25°C T _A = 100°C
Typical Junction Capacitance(Note3)	С	400pF	

Note:

- 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.
- 2. Pulse test: Pulse width 300 usec, Duty cycle 1%
- 3. Measured at 1 MHz and reverse voltage of 4.0 volts

5 Amp Schottky Barrier Rectifier 200 Volts

DO-201AD



DIMENSIONS							
	INCHES		MM				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.287	.374	7.30	9.50			
В	.189	.208	4.80	5.30			
С	.048	.052	1.20	1.30			
D	1 000		25.40				

Revision: B 2013/01/01



SR5200

FIG.1-FORWARD CURRENT DERATING CURVE

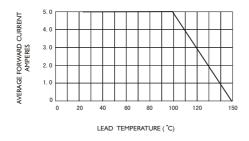


FIG.3-TYPICAL INSTANTANEOUS FORWARD **CHARACTERISTICS**

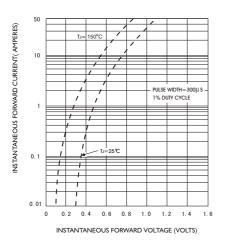


FIG.5-TYPICAL JUNCTION CAPACITANCE

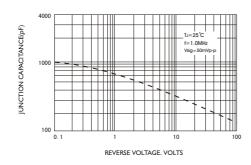


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

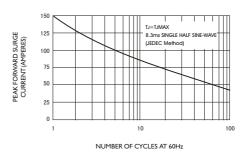


FIG.4-TYPICAL REVERSE CHARACTERISTICS

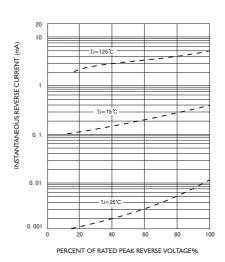
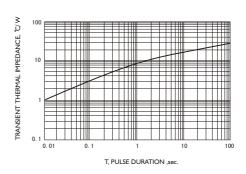


FIG.6-TYPICAL TRANSIENT THERMAL IMPEDANCE





Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 1.2Kpcs/Reel
Part Number-AP	Ammo Packing: 1.2Kpcs/Ammo Box
Part Number-BP	Bulk: 12Kpcs/Carton

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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