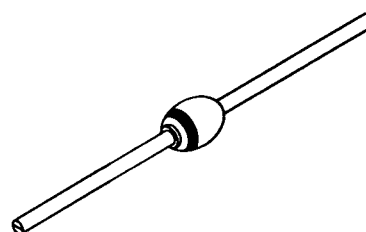




PRELIMINARY

[查询'SDR2G'供应商](#)**SOLID STATE DEVICES, INC**14849 Firestone Boulevard · La Mirada, CA 90638
Phone: (714) 670-SSDI (7734) · Fax: (714) 522-7424**Designer's Data Sheet****FEATURES:**

- Ultra Fast Recovery: 50-80 nsec Max. @ 25°C
80-120 nsec Max. @ 100°C
- Single Chip Construction
- PIV to 1200 Volts
- Low Reverse Leakage Current
- Hermetically Sealed
- For High Efficiency Applications
- Available in Surface Mount versions
- Metallurgically Bonded
- TX, TXV and Space Level Screening Available

**SDR2G
thru
SDR2N****1 AMP
400-1200 VOLTS
50-80 nsec
ULTRA FAST
RECTIFIER****AXIAL****MAXIMUM RATINGS**

RATING	SYMBOL	VALUE	UNIT
Peak Repetitive Reverse and DC Blocking Voltage SDR2G SDR2J SDR2K SDR2M SDR2N	VRRM VRWM VR	400 600 800 1000 1200	Volts
Average Rectified Forward Current (Resistive Load, 60Hz, Sine Wave, TA=25°C)	IO	1	Amps
Peak Surge Current (8.3 ms Pulse, Half Sine Wave Superimposed on IO, allow junction to reach equilibrium between pulses, TA=25°C)	IFSM	25	Amps
Operating and storage temperature	Top & Tstg	-65 to +175	°C
Maximum Thermal Resistance Junction to Leads, L=3/8"	RθJL	35	°C/W

NOTE: All specifications are subject to change without notification.
SCD's for these devices should be reviewed by SSDI prior to release.**DATA SHEET #: RU0009 A****RMD**

SDR2G

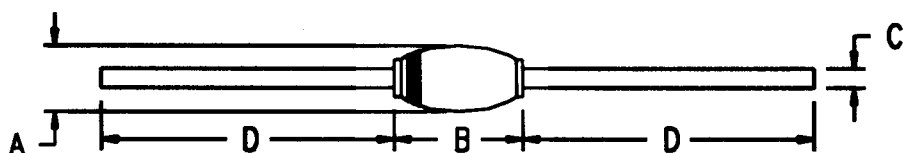
查询"SDR2G"的规格书

SDR2N

PRELIMINARY

SSDI**SOLID STATE DEVICES, INC**14849 Firestone Boulevard · La Mirada, CA 90638
Phone: (714) 670-SSDI (7734) · Fax: (714) 522-7424**ELECTRICAL CHARACTERISTICS**

CHARACTERISTICS		SYMBOL	MAXIMUM	UNIT
Instantaneous Forward Voltage Drop ($I_F = 1 \text{ A}$, $T_A = 25^\circ\text{C}$, 300 μs Pulse)	SDR2G-J SDR2K-N	V_F	1.9 2.1	Vdc
Instantaneous Forward Voltage Drop ($I_F = 1 \text{ A}$, $T_A = -55^\circ\text{C}$, 300 μs Pulse)	SDR2G-J SDR2K-N	V_F	2.05 2.25	Vdc
Reverse Leakage Current (Rated V_R , $T_A = 25^\circ\text{C}$, 300 μs pulse minimum)		I_R	5	μA
Reverse Leakage Current (Rated V_R , $T_A = 100^\circ\text{C}$, 300 μs pulse minimum)		I_R	0.5	mA
Junction Capacitance ($V_R = 10 \text{ Vdc}$, $T_A = 25^\circ\text{C}$, $f = 1 \text{ MHz}$)		C_J	20	pf
Reverse Recovery Time ($I_F = 500 \text{ mA}$, $I_R = 1 \text{ A}$, $I_{RR} = 250 \text{ mA}$, $T_A = 25^\circ\text{C}$)	SDR2G-J SDR2K SDR2M SDR2N	t_{rr}	50 60 70 80	nsec

CASE OUTLINE:**DIMENSIONS**

DIM	MIN.	MAX.
A	---	.150"
B	---	.190"
C	.027"	.033"
D	1.00"	---

TYPICAL OPERATING CURVES

TA=25°C Unless otherwise specified

