

**DOC**

**Solid State Devices, Inc.**

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**SDR620CT
Series**

Electrical Characteristic ^{5/}		Symbol	Min	Max	Units
Instantaneous Forward Voltage Drop (T _A = 25°C, 300 – 500usec Pulse)	I _F = 10A	V _{F1}	—	0.94	V _{DC}
	I _F = 20A	V _{F2}	—	1.02	
Instantaneous Forward Voltage Drop (I _F = 10A, 300 – 500usec Pulse)	T _A = -55 °C	V _{F3}	—	1.04	V _{DC}
	T _A = 100 °C	V _{F4}	—	0.84	
Reverse Leakage Current (100% of rated V _R , 300 us pulse min.)	T _A = 25 °C	I _{R1}	—	10	μA
	T _A = 100 °C	I _{R2}	—	1000	
Reverse Recovery Time (I _F = 0.5A, I _R = 1A, I _{RR} = 0.25A, T _A = 25°C)		t _{RR}	—	35	nsec
Junction Capacitance (V _R =10V _{DC} , T _A =25°C, f=1MHz)		C _J	—	225	pF

NOTES:1/ For Ordering Information, Price, and Availability Contact Factory.2/ Screening per MIL-PRF-19500.3/ For Package Outlines Contact Factory.4/ Both legs tied together5/ All Electrical Characteristics Per Leg @25 °C, Unless Otherwise Specified.

Available Part Numbers: SDR620CT , SDR620CTE, SDR620CTS1 SDR621CT , SDR621CTE, SDR621CTS1 SDR622CT , SDR622CTE, SDR622CTS1	PIN ASSIGNMENT			
	PACKAGE	Pin 1	Pin 2	Pin 3
	LCC3, Milpack1, SMD1	Anode 1	Cathode	Anode 2