



Solid State Devices, Inc.

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SDR620J, M & Z
Thru
SDR622J, M & Z

Electrical Characteristics ^{4/ 5/}	Symbol	Max	Units
Instantaneous Forward Voltage Drop	300µsec Pulse, I _F = 10A, T _A = 25°C	V _{F1}	1.00
	300µsec Pulse, I _F = 20A, T _A = 25°C	V _{F2}	1.20
	300µsec Pulse, I _F = 10A, T _A = 100°C	V _{F3}	0.90
	300µsec Pulse, I _F = 10A, T _A = -55°C	V _{F4}	1.15
Reverse Leakage Current (Rated V _R , 300µsec Pulse Minimum)	T _A = 25°C	I _{R1}	10 µA
	T _A = 100°C	I _{R2}	100 µA
Reverse Recovery Time (I _F = 500 mA, I _R = 1 Amp, I _{RR} = 250 mA)	t _{RR}	35	nsec
Junction Capacitance (V _R = 10V _{DC} , T _A = 25°C, f = 1MHz)	C _J	225	pF

Notes: see Page 1

Case Outline: TO-257 (J)

Case Outline: TO-254 (M)

Case Outline: TO-254Z (Z)

Figure 1- Optional Lead Bends

SUFFIX: JDB / JUB

SUFFIX: MDB & ZDB / MUB & ZUB

Table 1- PIN ASSIGNMENT

Code	Configuration	Pin 1	Pin 2	Pin 3
—	Normal	Cathode	Anode	Anode
R	Reverse	Anode	Anode	Cathode

NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: RC0031F

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