

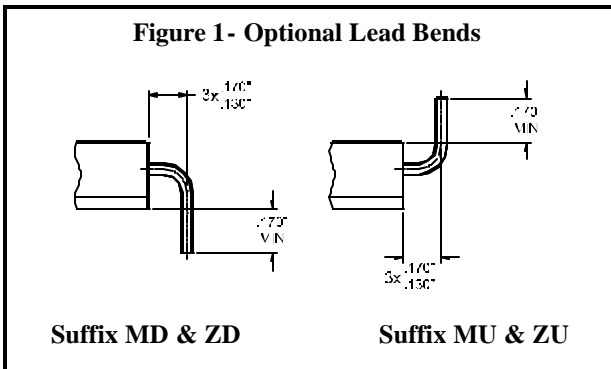


Solid State Devices, Inc.

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SDR953M & Z
Thru
SDR956M & Z

Electrical Characteristics		Symbol	Max	Units
Instantaneous Forward Voltage Drop ^{4/} (I _F = 25A, Pulse) (I _F = 50A, Pulse)	T _A = 25 °C	V _{F1}	1.30	V _{DC}
	T _A = 25 °C	V _{F2}	1.65	
Instantaneous Forward Voltage Drop ^{4/} (I _F = 25Adc, Pulse)	T _A = -55 °C	V _{F3}	1.4	V _{DC}
	T _A = 100 °C	V _{F4}	1.2	
Reverse Leakage Current	T _A = 25 °C, Rated V _R , Pulse	I _{R1}	100	mA
	T _A = 100 °C, Rated V _R , Pulse	I _{R2}	10	mA
Reverse Recovery Time (I _F = .5 Amp, I _R = 1A, I _{RR} = .25A)	T _A = 25 °C	t _{RR}	35	nsec
Junction Capacitance (V _R = 10V _{DC} , T _A = 25°C, f = 1MHz)		C _J	250	pF



PIN ASSIGNMENT (TO-254 and TO-254Z Packages)				
Code	FUNCTION	Pin 1	Pin 2	Pin 3
		Cathode	Anode	Anode

Notes:

- 1/ For ordering information, Price, Operating Curves, and Availability - Contact Factory.
- 2/ Screened to MIL-PRF-19500.
- 3/ Recovery Conditions: I_F = .5 Amp, I_R = 1A, I_{RR} = .25A.
- 4/ Pins 2 and 3 Tied Together.
- 5/ Available with higher surge ratings.

