

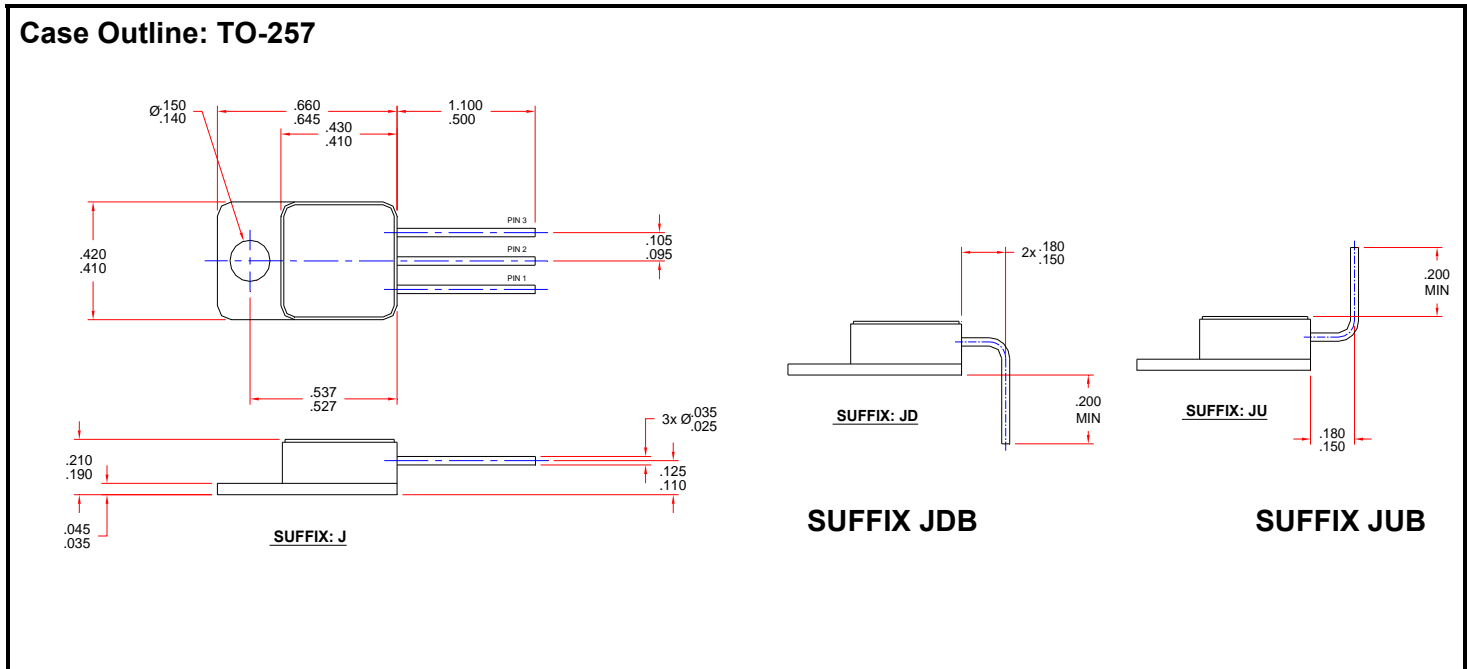


Solid State Devices, Inc.

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**SDR623CTJ, CAJ, DJ, DRJ
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 SDR626CTJ, CAJ, DJ, DRJ**

ELECTRICAL CHARACTERISTICS (Per Leg)	Symbol	Min	Max	Unit
Instantaneous Forward Voltage Drop ($I_F = 10$ Amps, $T_A = 25^\circ\text{C}$, 300 μsec Pulse) ($I_F = 20$ Amps, $T_A = 25^\circ\text{C}$, 300 μsec Pulse)	V_{F1} V_{F2}	—	1.4 1.7	Volts
Instantaneous Forward Voltage Drop ($I_F = 10$ Amps, $T_A = 100^\circ\text{C}$, 300 μsec Pulse) ($I_F = 10$ Amps, $T_A = -55^\circ\text{C}$, 300 μsec Pulse)	V_{F3} V_{F4}	—	1.3 1.5	Volts
Reverse Leakage Current (Rated V_R , $T_A = 25^\circ\text{C}$, 300 μsec pulse minimum)	I_{R1}	—	50	μA
Reverse Leakage Current (Rated V_R , $T_A = 100^\circ\text{C}$, 300 μsec pulse minimum)	I_{R2}	—	5	mA
Reverse Recovery Time ($I_F = 0.5\text{A}$, $I_R = 1$ A, $I_{RR} = 0.25\text{A}$, $T_A = 25^\circ\text{C}$)	t_{rr}	—	35	ns
Junction Capacitance ($V_R = 10$ V _{DC} , $T_A = 25^\circ\text{C}$, $f = 1$ MHz)	C_J	—	150	pF



			PIN ASSIGNMENT				
Common Cathode	Common Anode	Doubler	CODE	FUNCTION	PIN 1	PIN 2	PIN 3
			CT	Common Cathode	Anode 1	Cathode	Anode 2
			CA	Common Anode	Cathode 1	Anode	Cathode 2
			D	Doubler	Cathode 1	Cathode2/Anode 1	Anode 2
			DR	Doubler Reverse	Anode 1	Cathode1/Anode 2	Cathode 2