



Solid State Devices, Inc.

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SDR803

Thru

SDR817

Electrical Characteristics ^{4/}		Symbol	Value	Units
Maximum Instantaneous Forward Voltage Drop ($I_F = 100 \text{ Adc}$, $T_A = 25^\circ \text{C}$, 300-500 μs Pulse)	SDR803 – 806	V_{F1}	1.00	V_{DC}
	SDR807 – 810		1.50	
	SDR811 – 814		1.85	
	SDR815 – 817		1.90	
Maximum Instantaneous Forward Voltage Drop ($I_F = 100 \text{ Adc}$, $T_A = -55^\circ \text{C}$, 300-500 μs Pulse)	SDR803 – 806	V_{F2}	1.10	V_{DC}
	SDR807 – 810		1.60	
	SDR811 – 814		1.95	
	SDR815 – 817		2.00	
Maximum Reverse Leakage Current (Rated V_R , 300 μs minimum pulse)	$T_A = 25^\circ \text{C}$	I_{R1} I_{R2}	100	μA mA
	$T_A = 100^\circ \text{C}$		10	
Maximum Reverse Recovery Time ($I_F = 500 \text{ mA}$, $I_R = 1 \text{ Amp}$, $I_{RR} = 250 \text{ mA}$)	$T_A = 25^\circ \text{C}$	t_{RR}	60	nsec
Maximum Junction Capacitance ($V_R = 10V_{DC}$, $T_A = 25^\circ \text{C}$, $f = 1\text{MHz}$)		C_J	700	pF

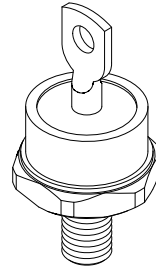
Notes:

1/ For ordering information, Price, Operating Curves, and Availability- Contact Factory.

2/ Screened to MIL-PRF-19500.

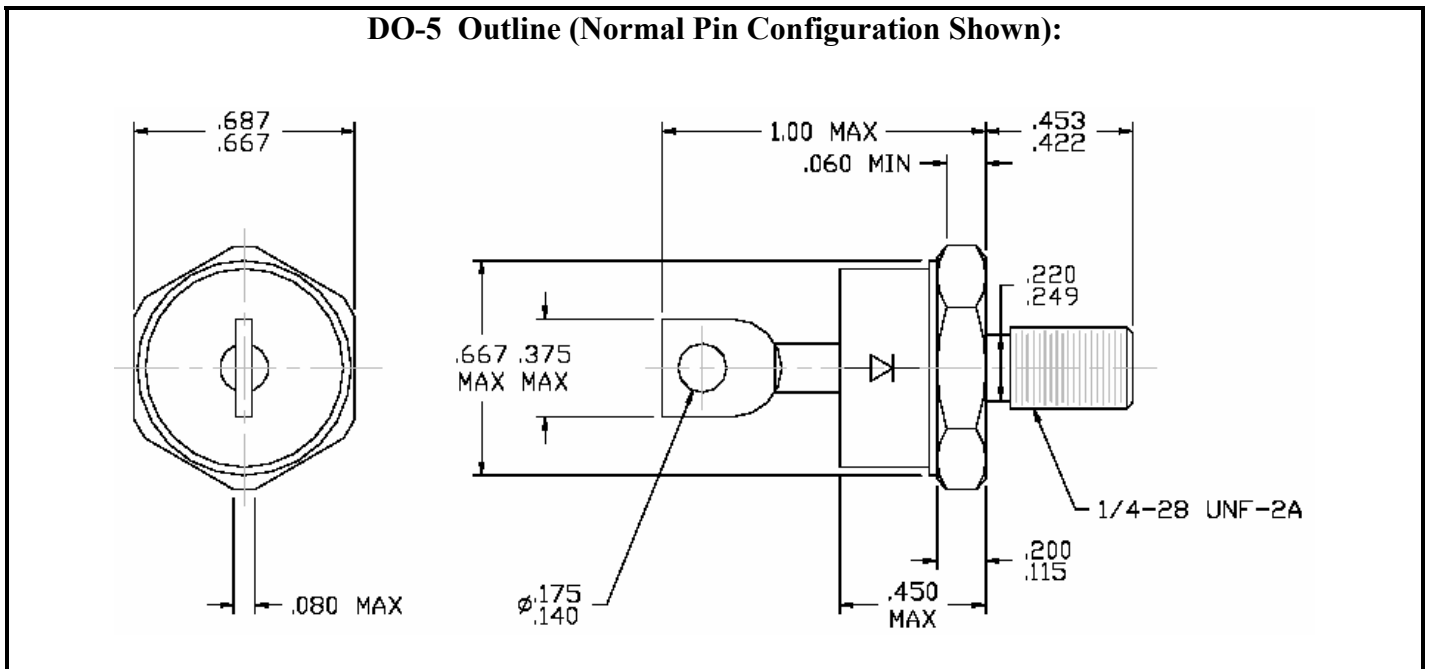
3/ Recovery Conditions: $I_F = 500 \text{ mA}$, $I_R = 1 \text{ Amp}$, $I_{RR} = 250 \text{ mA}$.

4/ Unless Otherwise Specified, All Maximum Ratings/Electrical Characteristics @25°C.



Code	Configuration	Terminal	Stud
—	Normal	Anode	Cathode
R	Reverse	Cathode	Anode

DO-5 Outline (Normal Pin Configuration Shown):



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

DATA SHEET #: RU0059G

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