



Solid State Devices, Inc.

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2R3S THRU 20R3S

Electrical Characteristics	Symbol	Max	Units
Instantaneous Forward Voltage Drop ($I_F=8A$, $T_A=25^\circ C$, 300 μ sec pulse)	V_F	0.90	V_{DC}
Reverse Leakage Current (Rated V_R , $T_A=25^\circ C$, 300 μ sec pulse minimum)	I_{R1}	100	μA
Reverse Leakage Current (Rated V_R , $T_A=100^\circ C$, 300 μ sec pulse minimum)	I_{R2}	2.0	mA
Reverse Recovery Time ($T_A=25^\circ C$, $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$)	t_{RR}	35	nsec
Typical Junction Capacitance ($V_R = 10V_{DC}$, $T_A = 25^\circ C$, $f = 1MHz$)	C_J	300	pF

Notes:

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

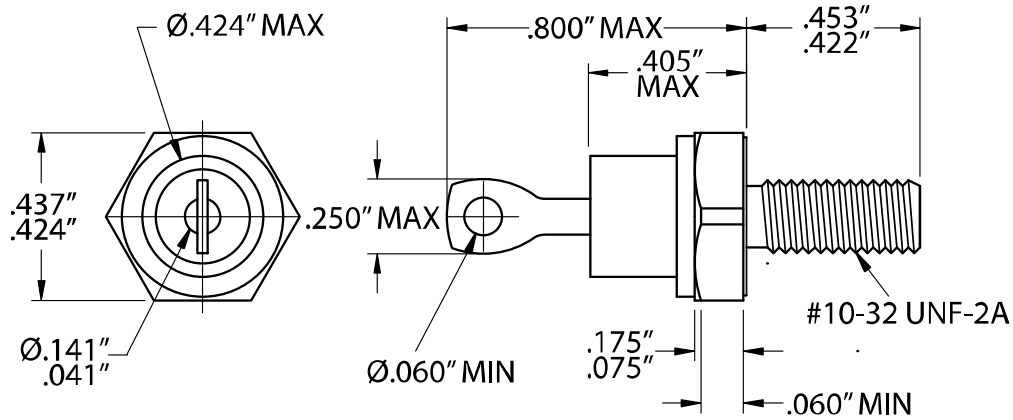
2/ Screened to MIL-PRF-19500.

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

Case Outline: DO-4

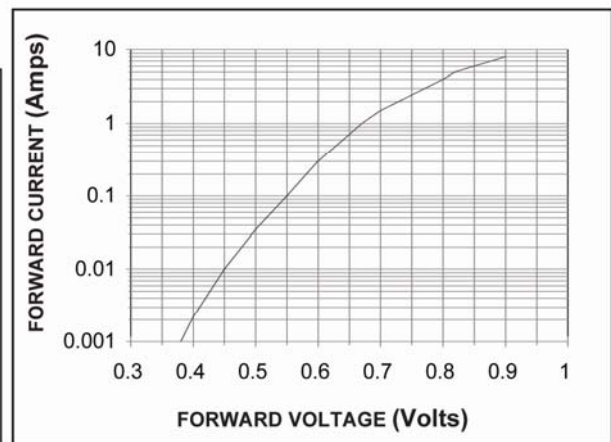
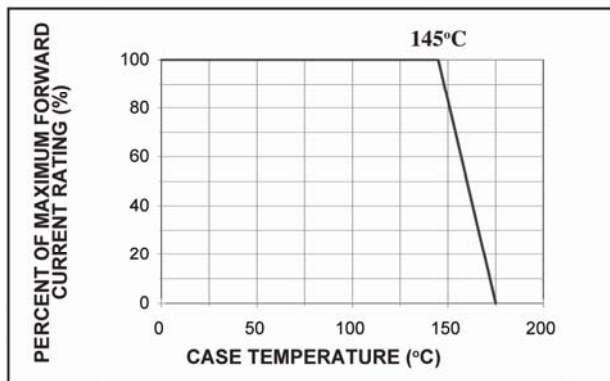
Stud: Cathode

Lead: Anode



TYPICAL OPERATING CURVES

$T_A = 25^\circ C$ Unless otherwise specified



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

DATA SHEET #: RC0029D

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