





**Solid State Devices, Inc.**

14701 Firestone Blvd \* La Mirada, CA 90638

Phone: (562) 404-4474 \* Fax: (562) 404-1773

ssdi@ssdi-power.com \* www.ssdi-power.com

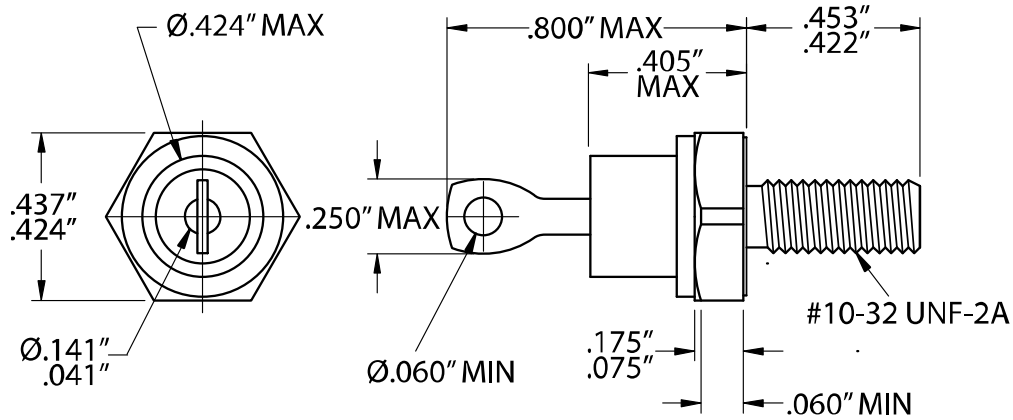
**2R3S THRU 20R3S**

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

Notes:

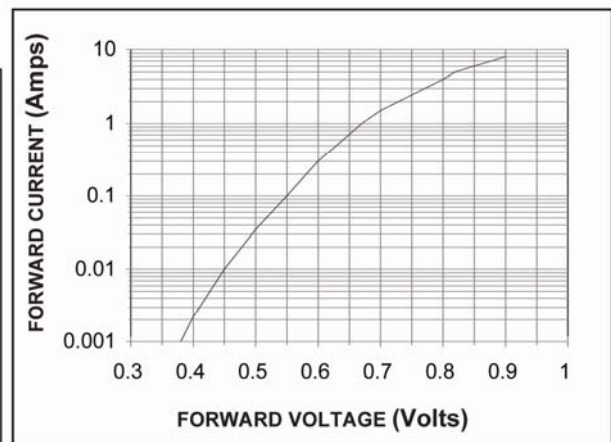
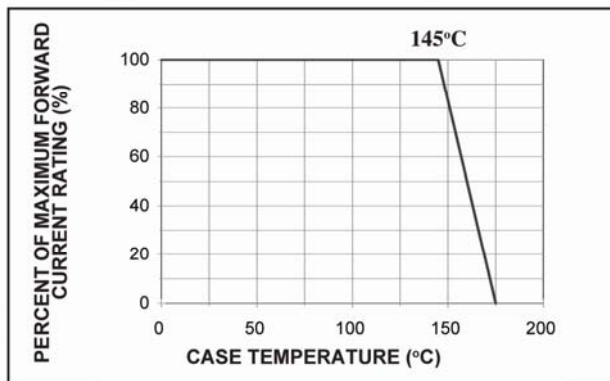
- 1/ For ordering information, Price, Operating Curves, and Availability- Contact Factory.
- 2/ Screened to MIL-PRF-19500.
- 3/ Unless Otherwise Specified, All Maximum Ratings/Electrical Characteristics @25°C.

**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**

**DOC**