Silicon Switching Diode Series 1N4531UR





Features

- Available in JAN, JANTX, and JANTXV per MIL-PRF-19500/116
- Metallurgically Bonded
- Hermetically Sealed
- **Double Plug Construction**



Maximum Ratings @ 25°C

Operating & Storage Temperature: -65°C to +175°C

Surge Current A, sine 8.3mS: 2.0 A Surge Current B, square 8.3mS: 0.704 A

Operating Current: $200mA, T_A = +75^{\circ}C$

Derating Factor: 2.0 mA/°C above $T_A = +25$ °C

75V D.C. Reverse Voltage (VRWM):





DC Electrical Characteristics

V _F				I _R				V_{BR}			
Ambient (°C)	I _F mA	Minimum V	Maximum V	Ambient (°C)	V (dc)	Minimum A	Maximum A	Ambient (°C)	I _R μΑ	Minimum V	Maximum V
25	10		0.8	25	20		0.025	25	100	100	25
25	100		1.2	25	75		0.500				-
150	10		0.8	150	20		35.0				

AC Electrical Characteristics @ 25°C

	Symbol	Maximum	Maximum
Capacitance @ 0V	pF		4
Capacitance @ 1.5V	pF		2.8
TRR @ IF =IR=10mA, IRec = 1mA.	nsec		5
TFR @ IF = 50mA	nsec		20
VFR @ IF = 50mA	V(pk)		5

150

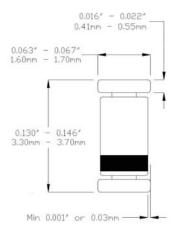


Revision Date: 11/23/2009

New Product



Outline Drawing



LEADED DESIGN DATA

CASE: Hermetically sealed glass case per MIL-S-19500/116, DO - 213AA

LEAD MATERIAL: Copper clad steel

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: (R_{O.JFC}): 100 °C/W maximum

THERMAL IMPEDANCE: (Z_{OJX}): 70 °C/W maximum

POLARITY: Cathode end is banded.

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Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.