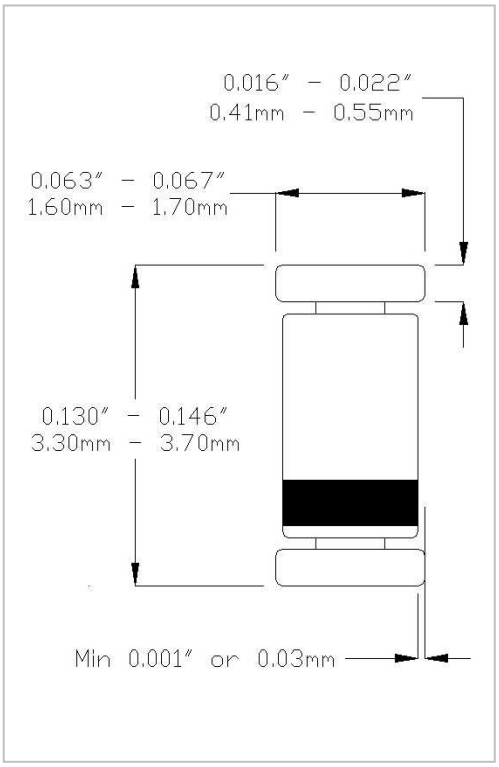
1N4150UR-1

FEATURES

- **1N4150UR-1 AVAILABLE IN JAN, JANTX, AND JANTXV PER MIL-PRF-19500/231**
- **SWITCHING DIODE**
- **METALLURGICALLY BONDED**
- **HERMETICALLY SEALED**
- **DOUBLE PLUG CONSTRUCTION**
- **ALSO AVAILABLE AS LL4150. CDLL4150. & MLL4150**



MAXIMUM RATINGS AT 25 °C

Operating Temperature:	-65°C to +175°C
Storage Temperature:	-65°C to +175°C
Surge Current A, sine 1uS:	4.0A
Surge Current B, sine 1S:	0.5A
Total Power Dissipation:	500mW
Operating Current:	200mA, T_A= +25°C to +110°C
Derating Factor:	3.1mA/°C above T_{EC}= +110°C
D.C. Reverse Voltage (VRWM):	50V

DC ELECTRICAL CHARACTERISTICS

V_F				I_R				V_{BR}			
Ambient (°C)	I_F mA	Min V	Max V	Ambient (°C)	V (dc)	Min µA	Max µA	Ambient (°C)	I_R µA	Min V	Max V
25	1	.54	.62	25	50	-	0.1	25	10	75	-
25	10	.66	.74	150	50	-	100				
25	50	.76	.86								
25	100	.82	.92								
25	200	.87	1.00								

AC ELECTRICAL CHARACTERISTICS AT 25°C

	Symbol	Min	Max
Capacitance @ 0V	**pF**	-	2.5
T_{RR} @ I_F =I_R=10mA, I_{Rec} = 1mA.	**nsec**	-	4
V_{FR} @ I_F= 200mA	**V**	-	5
T_{FR} @ I_F = 200mA	**nsec**	-	10

DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/231 DO-213AA outline

Lead Material: Copper clad steel

Lead Finish: Tin/Lead

Thermal Resistance ($R_{\theta JEC}$): 100°C/W maximum

Thermal Impedance ($Z_{\theta JX}$): 70°C/W maximum

Polarity: Cathode end is banded.

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