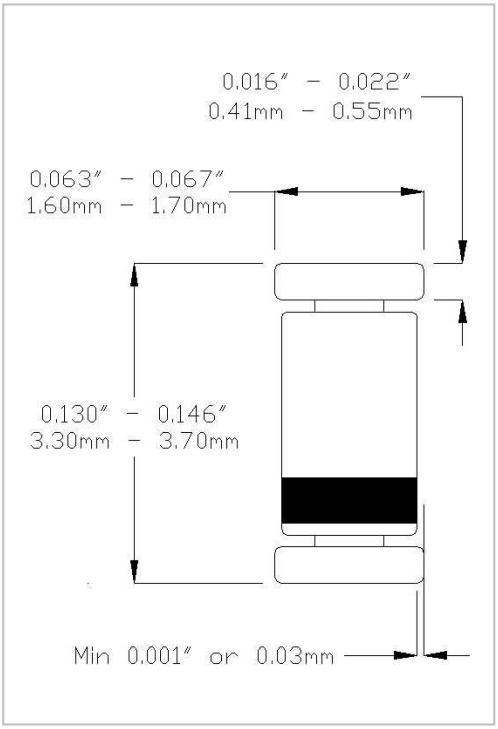
1N647UR-1

FEATURES

- **1N647UR-1 AVAILABLE IN JAN, JANTX, AND JANTXV PER MIL-PRF-19500/240**
- **SILICON RECTIFIER**
- **METALLURGICALLY BONDED**
- **HERMETICALLY SEALED**
- **DOUBLE PLUG CONSTRUCTION**
- **ALSO AVAILABLE AS LL647. & MLL647**



MAXIMUM RATINGS AT 25 °C

Operating Temperature:	-65°C to +175°C
Storage Temperature:	-65°C to +175°C
Surge Current A, sine 8.3mS:	5.0A
Total Power Dissipation:	500mW
Operating Current:	400mA, T_A= +25°C
Operating Current:	150mA, T_A= +150°C
Derating Factor:	2mA/°C above +25°C
Derating Factor:	6mA/°C above +150°C
D.C. Reverse Voltage (VRWM):	400V

DC ELECTRICAL CHARACTERISTICS

V_F				I_R			
Ambient (°C)	**I_F mA**	**Min V**	**Max V**	**Ambient (°C)**	**V_R V (dc)**	**Min µA**	**Max µA**
25	400	0.80	1.00	25	400	-	0.050
150	400	0.70	0.95	25	480(ac)	-	50
-55	400	-	1.20	150	400	-	25

AC ELECTRICAL CHARACTERISTICS AT 25°C

	Symbol	Min	Max
Capacitance @ V_R = 4V	**pF**	-	20

DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/240 DO-213AA outline

Lead Material: Copper clad steel

Lead Finish: Tin/Lead

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

Thermal Impedance ($Z_{\theta JX}$): 35°C/W maximum

Marking: Blue body coat

Polarity: Cathode end is banded

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