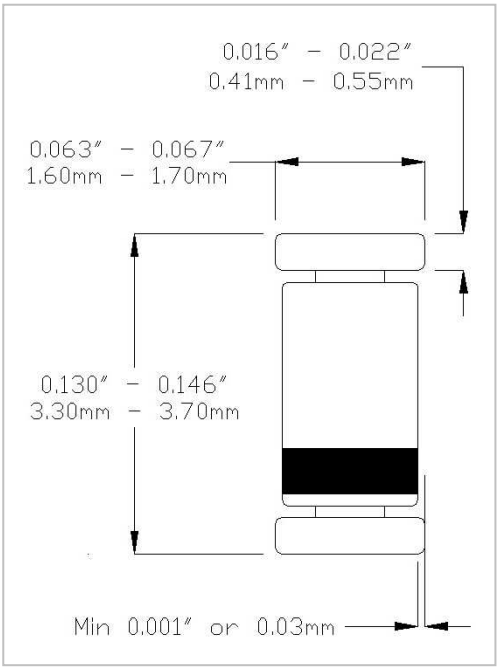
1N914UR

FEATURES

- **1N914UR AVAILABLE IN JAN, JANTX, AND JANTXV PER MIL-PRF-19500/116**
- **SWITCHING DIODE**
- **METALLURGICALLY BONDED**
- **HERMETICALLY SEALED**
- **DOUBLE PLUG CONSTRUCTION**
- **ALSO AVAILABLE AS LL914. CDLL914. & MLL914**



MAXIMUM RATINGS AT 25 °C

Operating Temperature:	-65°C to +175°C
Storage Temperature:	-65°C to +200°C
Surge Current A, sine 8.3mS:	1.0A
Surge Current B, square 8.3mS:	0.704A
Total Power Dissipation:	500mW
Operating Current:	75mA, T_A= +25°C
Derating Factor:	0.5mA/°C above T_A= +25°C
D.C. Reverse Voltage (VRWM):	75V

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	10	-	0.8	25	20	-	0.025	25	100	100	-
25	50	-	1.2	25	75	-	0.500				
150	10	-	0.8	150	20	-	35.0				
-55	50	-	1.3	150	75	-	75.0				

DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/116 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.

AC ELECTRICAL CHARACTERISTICS AT 25°C

	Symbol	Min	Max
Capacitance @ 0V	**pF**	-	4
Capacitance @ 1.5V	**pF**	-	2.8
T_{RR} @ I_F =I_R=10mA, I_{Rec} = 1mA.	**nsec**	-	5
T_{FR} @ IF = 50mA	**nsec**	-	20
V_{FR} @ IF = 50mA	**V(pk)**	-	5

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