

6 Lake Street, Lawrence, MA 01841
 1-800-446-1158 / (978) 620-2600 / Fax: (978) 689-0803
 Website: <http://www.microsemi.com>

SWITCHING DIODE – METALLURGICALLY BONDED
– HERMETICALLY SEALED
– DOUBLE PLUG CONSTRUCTION

Qualified per MIL-PRF-19500/241

DEVICES

1N3595UR-1 LL3595
MLL3595

QUALIFIED LEVELS
JAN
JANTX
JANTXV

MAXIMUM RATING AT 25°C

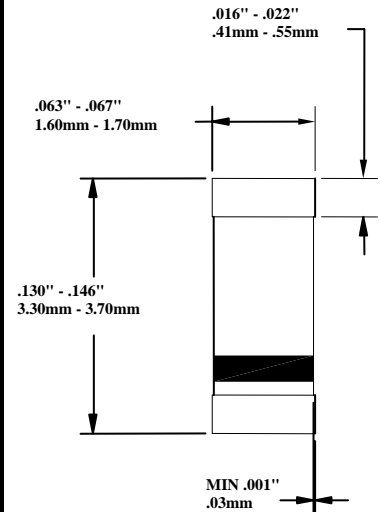
Operating Temperature: -65°C to +175°C
 Storage Temperature: -65°C to +175°C
 Surge Current A, sine 1S: 500mA
 Surge Current A, sine 1μS: 4A
 Total Power Dissipation: 500mW
 Operating Current: 150mA, T_A = +25°C
 D.C. Reverse Voltage (VRWM): 125V

DC ELECTRICAL CHARACTERISTICS

V _F				I _R				V _{BR}			
Ambient (°C)	I _F mA	Min V	Max V	Ambient (°C)	V _R V (dc)	Min μA	Max μA	Ambient (°C)	I _R μA	Min V	Max V
25	1	0.52	0.70	25	125	-	0.001	-55	100	150	-
25	5	0.60	0.765	150	125	-	3				
25	10	0.65	0.80								
25	50	0.74	0.88								
25	100	0.79	0.92								
25	200	0.83	1.00								

AC ELECTRICAL CHARACTERISTICS AT 25°C

	Min	Max	Unit
Capacitance @ 0V	-	8.0	pF
T _{RR} @ I _F = 10mA V _R = 35V	-	3.0	μsec



DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/241 DO-213AA outline

Lead Material: Copper clad steel

Lead Finish: Tin / Lead

Thermal Impedance (Z_{θJX}): 70°C/W maximum

Polarity: Cathode end is banded