



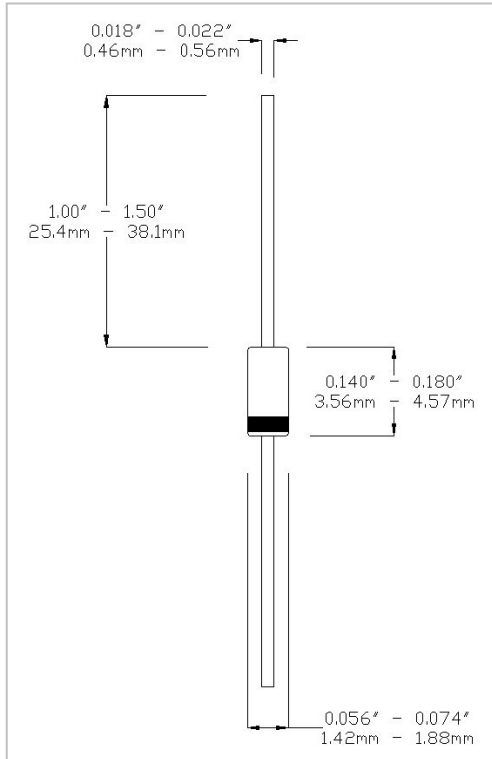
**THE DATASHEET OF
JAN1N3595-1**



1N3595-1

FEATURES

- 1N3595-1 AVAILABLE IN JAN, JANTX, AND JANTXV PER MIL-PRF-19500/241
- SWITCHING DIODE
- METALLURGICALLY BONDED
- HERMETICALLY SEALED
- DOUBLE PLUG CONSTRUCTION



MAXIMUM RATINGS 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 1uS:	4A
Total Power Dissipation:	500mW
Operating Current:	150mA, $T_A = +25^\circ\text{C}$
Derating Factor:	1mA/°C above +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	0.68	25	125	-	0.001	-55	100	150	-
25	5	0.60	0.75	150	125	-	3.000				
25	10	0.65	0.80								
25	50	0.74	0.88								
25	100	0.79	0.92								
25	200	0.83	1.00								

DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/241 DO-35 outline

Lead Material: Copper clad steel

Lead Finish: Tin/Lead

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

Marking: Blue body coat, Black digits.

Polarity: Cathode end is banded.

AC ELECTRICAL CHARACTERISTICS AT 25°C

	Symbol	Min	Max
Capacitance @ 0V	pF	-	8.0
T_{RR} @ $I_F=10\text{mA}$, $V_R=35\text{V}$	usec	-	3.0



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