

1N4534

FEATURES

- 1N4534 AVAILABLE IN JAN, JANTX, AND JANTXV PER MIL-PRF-19500/337
- 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:	250mA
Surge Current A, sine 1uS:	2A
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):	50V

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	0.10	0.49	0.55	25	50	-	0.05	25	5	75	-
25	0.25	0.53	0.59	150	50	-	50	-55	5	75	-
25	1	0.59	0.67								
25	2	0.62	0.70								
25	10	0.70	0.81								
25	20	0.74	0.88								

DESIGN DATA

Case: Hermetically sealed glass package per MIL-PRF-19500/337 DO-34 outline

Lead Material: Copper clad steel

Lead Finish: Tin/Lead

Thermal Resistance ($R_{\theta JL}$): 250°C/W maximum at $L = .375"$

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

Marking: Black alphanumeric digits.

Polarity: Cathode end is banded.

AC ELECTRICAL CHARACTERISTICS AT 25°C

	Symbol	Min	Max
Capacitance @ 0V	pF	-	2
T_{RR} @ $I_F = I_R = 10\text{mA}$, $I_{Rec} = 1\text{mA}$.	nsec	-	4



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