

# 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

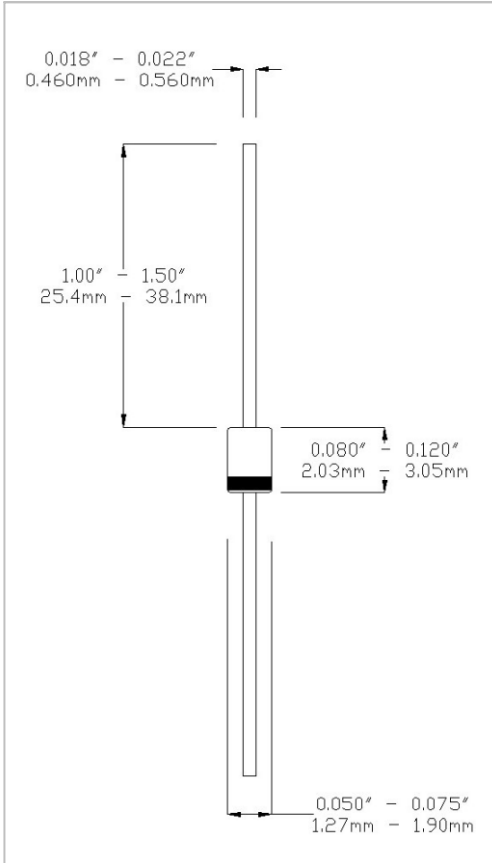
Operating Temperature: -65°C to +175°C  
 Storage Temperature: -65°C to +175°C  
 Surge Current A, sine 1S: 250mA  
 Surge Current A, sine 1uS: 2A  
 Total Power Dissipation: 500mW  
 Operating Current: 150mA,  $T_A = +25^\circ\text{C}$   
 Derating Factor: 1 mA/°C above +25°C  
 D.C. Reverse Voltage (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 $\mu\text{A}$	Max $\mu\text{A}$	Ambient (°C)	$I_R$ $\mu\text{A}$	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								

## 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



## 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.



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