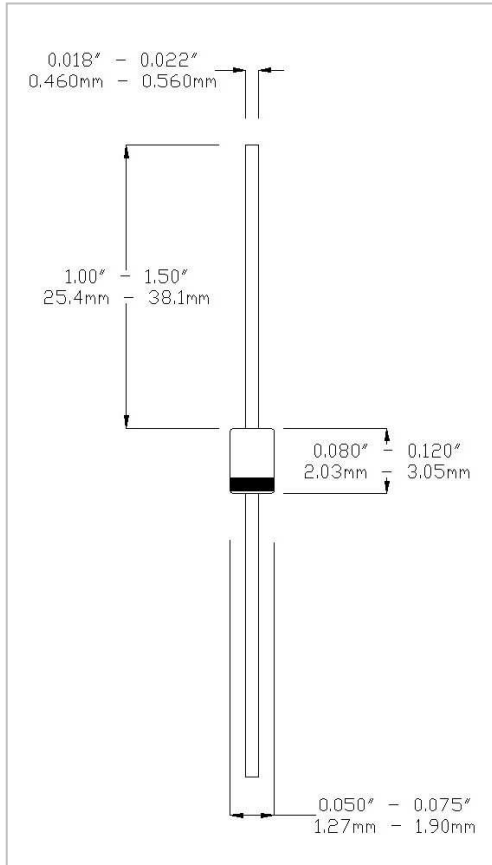


# 1N4534

## 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 $\mu\text{A}$	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								

## 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



WWW.MICROSEMI.COM

IRELAND - GORT ROAD, ENNIS, CO. CLARE

PHONE: +353 65 6840044

TOLL FREE: +186 62 702434

FAX: +353 65 6822298

U.S.A. DOMESTIC SALES CONTACT

PHONE: (617) 926 0404

TOLL FREE: 1 800 666 2999