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1N34A

POINT CONTACT GERMANIUM DIODE

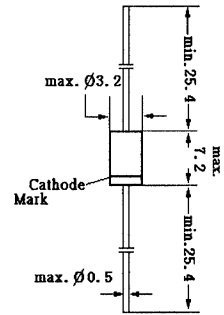
The germanium point contact (Ge) diodes are widely used For detecting the rectifying efficiency or for switching on the radio, TV, or stereo, ect.

Features

- High reliability for resistance to vibration and shock proof.
- High withstand voltage.
- Small reverse current.
- Excellent electrical characteristics suitable for FM. detection or MPX.

Application

- FM detection, MPX, projected-image detection. switching, and limiter



Glass case JEDEC DO-7

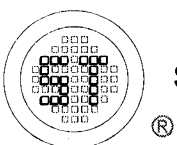
Dimensions in mm

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	45	V
Reverse Voltage dc	V_R	20	V
Peak Forward Current	I_{FM}	150	mA
Average Rectified Output Current	I_O	50	mA
Surge Forward Current	I_{surge}	500	mA
Junction Temperature	T_j	75	$^\circ\text{C}$
Storage Temperature Range	T_s	-55 to +75	$^\circ\text{C}$

Characteristics (1N34A)

	Symbol	Test condition ($T_a 25 \pm 2^\circ\text{C}$)	Min.	Typ.	Max.	Unit
Forward voltage	I_F	$V_F = 1\text{V}$	4	2	-	mA
Reverse currents	I_R	$V_R = -10\text{V}$	-	-	100	μA
	I_{R2}	$V_R = \text{V}$	-	-	-	μA
Junction Capacitance C_j	-	$f = 1\text{MHz}, V = -1\text{V}$	-	-	1	pF
Rectification efficiency	η	$V_i = 2\text{Vrms}, = 50\text{K}\Omega$ $C = 20\text{PF}, f = 40\text{MHz}$	55	-	-	%



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