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.

FEATURE

- * 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.

Absolute Maximum Ratings

	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	_{surge}	500	mA	
Junction Temperature	T _i	75	°C	
Storage Temperature Range	T _s	-55 to + 75	°C	

Characteristics (1N34A)

	Symbol	Test condition (T _a 25 \pm 2 °C)	Min.	Тур.	Max.	Units
Forward Current	I _F	V _F =1V	4	2	-	mA
Reverse Currents	I _R	V _R = -10V	-	-	100	μΑ
	I _{R2}	V _R = V	-	-	-	μΑ
Junction Capacitance C _j	-	f = 1MHz,V = -1V	-	-	1	PF
Rectification efficiency	n	Vi = 2Vrms, =5KΩ C = 20PF, f = 40 MHz	55	-	-	%
Pair						

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