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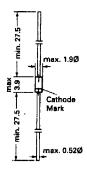
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Silicon Epitaxial Planar Diode Switches

for electronic band-switching in radio and TV tuners in the frequency range of 50 ... 1000 MHz. The dynamic forward resistance is constant and very small over a wide range of frequency and forward current. The reverse capacitance is also small and largely independent of the reverse voltage.

These diodes are delivered taped. Details see "Taping".



Glass case JEDEC DO-35

Weight approx. 0.13 g Dimensions in mm

Absolute Maximum Ratings (T_a= 25°C)

	Symbol	Value	Unit
Reverse Voltage	V _R	35	v
Forward Current at T _{amb} = 25 °C	I _F	100	mA
Junction Temperature	T,	T, 150	
Storage Temperature Range	T _s	-55 to + 150	•€

Characteristics at Tamb =25 °C

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	Symbol	Min.	Тур.	Max.	Unit
Forward Voltage at I _F = 100 mA	V _F	*	-	1	٧
Leakage Current at $V_R = 20 \text{ V}$ at $V_R = 15 \text{ V}$, $T_{amb} = 60 ^{\circ}\text{C}$	i _R	- -	-	50 1	nA μA
Dynamic Forward Resistance at f = 50 to 1000 MHz, I _F = 10 mA BA24 BA24	- 1 7	-	0.7 0.4	1 0.5	Ω
Relative Variation of Dynamic Forward Resistance with the Variation of Forward Current in the Range $I_F = 2$ to 40 mA		-	5	-	%/m A
Capacitance at V _R = 3 V, f = 1 MHz	C _{tot}	-	-	1.8	pF
Relative Variation of Capacitance with the Variatio of Reverse Voltage in the Range of $V_R = 7$ to 20 V $f = 100$ MHz		-	1	-	%/ V
Series Inductance across Case	L.	-	2.5		nH