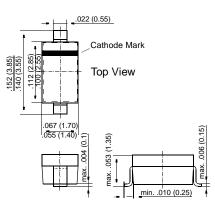
BA782, BA783

Bandswitching Diodes

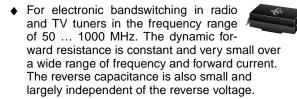
FEATURES

<u>SOD-123</u>



Dimensions in inches and (millimeters)

• Silicon Epitaxial Planar Diode Switches



 These diodes are also available in SOD-323 case with the type designations BA782S and BA783S.

MECHANICAL DATA

Case: SOD-123 Plastic Case Weight: approx. 0.01 g

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified

	Symbol	Value	Unit
Reverse Voltage	V _R	35	V
Forward Continuous Current at T _{amb} = 25 °C	١ _F	100	mA
Junction Temperature	Tj	125	°C
Storage Temperature Range	T _S	-55 to +125	°C



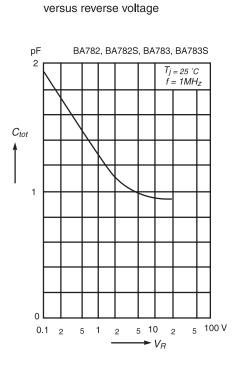
BA782, BA783

ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified

		Symbol	Min.	Тур.	Max.	Unit
Forward Voltage at I _F = 100 mA		V _F	-	-	1	V
Leakage Current at V _R = 20 V		I _R	-	-	50	nA
Dynamic Forward Resistance at f = 50 to 1000 MHz, $I_F = 3 \text{ mA}$ at f = 50 to 1000 MHz, $I_F = 10 \text{ mA}$	BA782 BA783 BA782 BA783	r _f r _f r _f r _f	- - - -		0.7 1.2 0.5 0.9	Ω Ω Ω Ω
Capacitance at $V_R = 1$ V, f = 1 MHz at $V_R = 3$ V, f = 1 MHz	BA782 BA783	C _{tot} C _{tot} C _{tot}		_ _ _	1.5 1.25 1.2	pF pF pF
Series Inductance across Case		L _S	-	2.5	-	nH

RATINGS AND CHARACTERISTIC CURVES BA782, BA783



Capacitance

Dynamic forward resistance versus forward voltage

