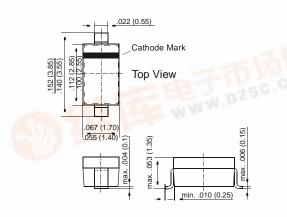


BB729 Tuner Diodes

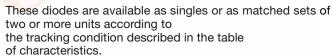
<u>SOD-123</u>



Dimensions in inches and (millimeters)

FEATURES

 Silicon epitaxial planar capacitance diodes with very wide effective capacitance variation for tuning the whole range of VHF CTV tuners.



This diode is also available in SOD-323 case with the type designation BB729S.

MECHANICAL DATA

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

一天市场

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified

32	V
_{1b} 125	°C
-55 to +125	°C





BB729

ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified

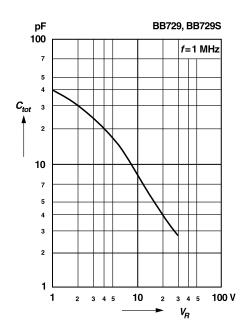
	Symbol	Min.	Тур.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 100 \ \mu A$	V _{(BR)R}	32	-	-	V
Leakage Current at V _R = 30 V	I _R	-	-	10	nA
Capacitance f = 1 MHz at $V_R = 28 V$ at $V_R = 1 V$	C _{tot} C _{tot}	2.4 36.0		2.9 42.0	pF pF
Effective Capacitance Ratio, f = 1 MHz at V_R = 1 to 28 V	C _{tot} (1 V) C _{tot} (28V)	13.5	-	-	-
Series Resistance at f = 470 MHz, C _{tot} = 25 pF	r _s	-	0.80	-	Ω
Series Inductance	Ls	_	2.5	-	nH

For any two of six consecutive diodes in the carrier tape, the maximum capacitance deviation in the reverse bias voltage of $V_R = 0.5$ to 28 V is max. 2.5%

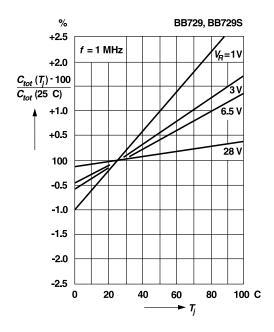


RATINGS AND CHARACTERISTIC CURVES BB729

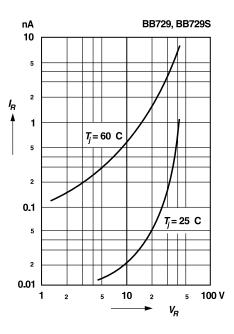
Capacitance versus reverse voltage



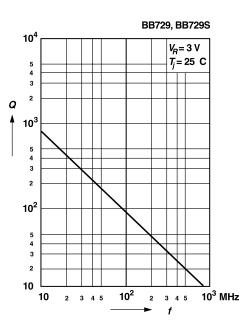
Relative capacitance versus junction temperature



Leakage current versus reverse voltage



Q-Factor versus frequency



GENERAL SEMICONDUCTOR®