

BB910 ST

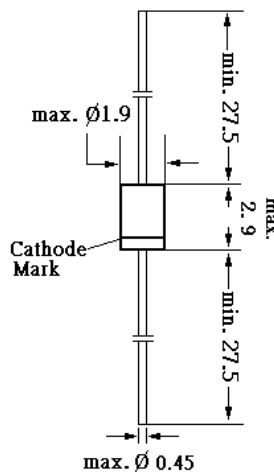
VHF VARIABLE CAPACITANCE DIODE

FEATURES

- Excellent linearity
- Matched to 2.5%
- C28: 2.5; ratio: 16
- Low series resistance.

APPLICATIONS

- Electronic tuning in VHF television tuners, band B up to 460 MHz
- VCO.

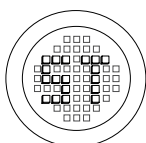


Glass case JEDEC DO-34

Dimensions in mm

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

Parameter	Symbol	Limits	Unit
Continuous reverse voltage	V_R	30	V
Continuous forward current	I_F	20	mA
Storage temperature	T_{stg}	-55...+150	?
Operating junction temperature	T_j	-55 ... +100	?



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РАДИОТЕХ-ТРЕЙД

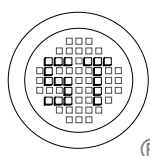
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Electrical Characteristics (Ta = 25 °C)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse current	I_R	- -	- -	10 200	nA	$V_R = 28V$ $V_R = 28V, T_a = 85^\circ C$
Diode capacitance	C_d	38 2.3	- -	- 2.7	pF	$V_R = 0.5V, f = 1MHz$ $V_R = 28V, f = 1MHz$
Capacitance ratio	$C_{d(0.5V)} / C_{d(28V)}$	14	-	-	-	$f = 1MHz$
Capacitance matching	$\Delta C_d / C_d$	-	-	2.5	%	$V_R = 0.5V$ to $28V$
Series resistance	r_s	-	-	1	Ω	$f = 100MHz$, note 1

1) V_R is the value at which $C_d=40pF$



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ISO/TS 16949 : 2002
Certificate No. 05103

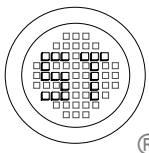
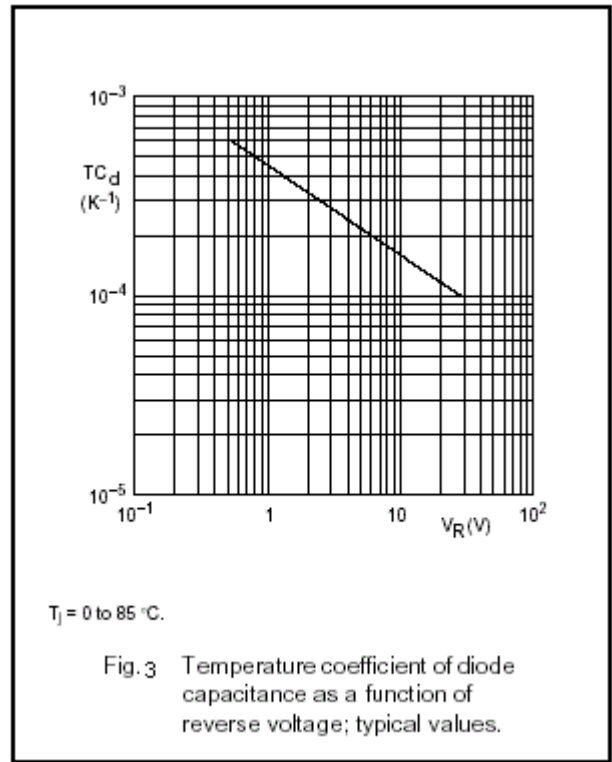
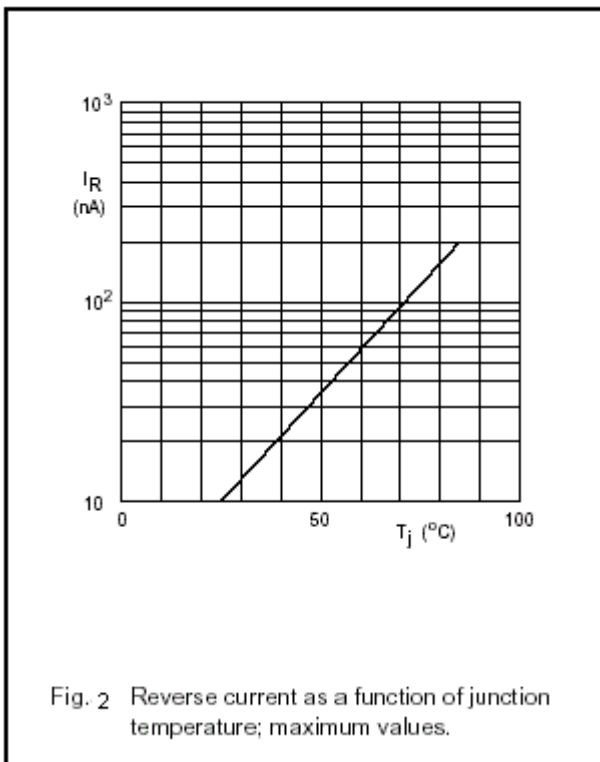
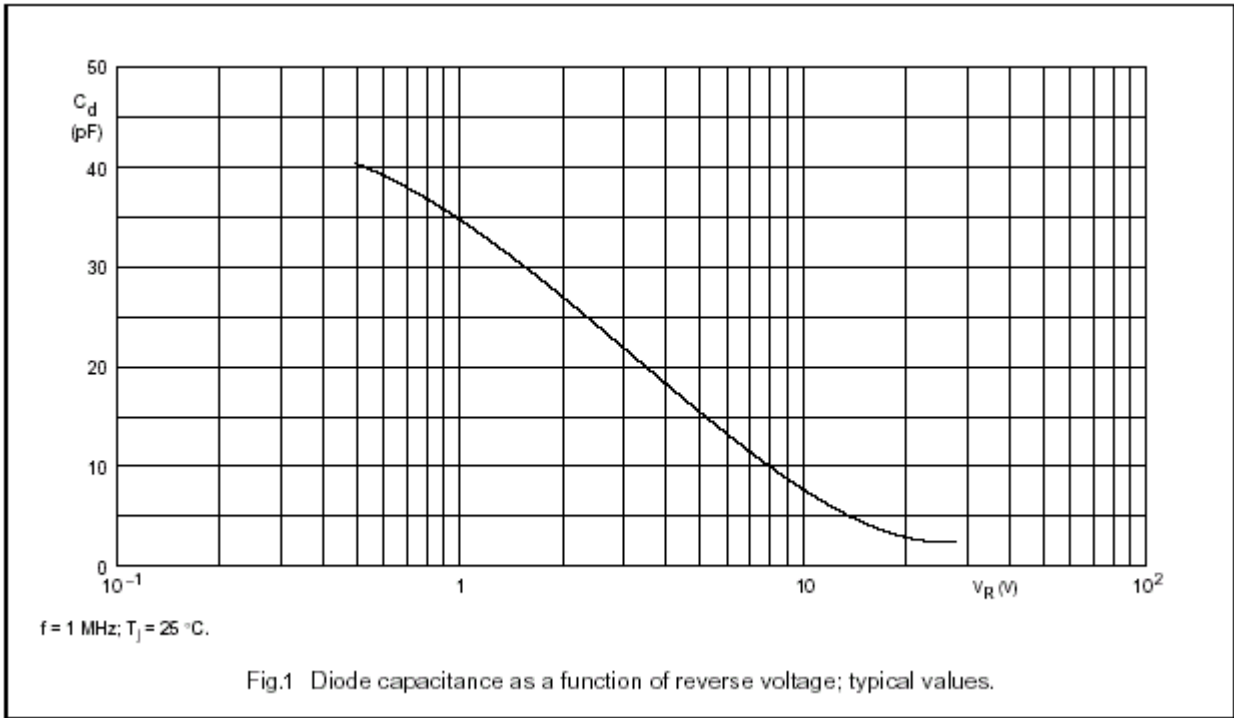


ISO 14001
Certificate No. 7116



ISO 9001 : 2000
Certificate No. 250159-04-002-04

Dated : 02/01/2005



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