



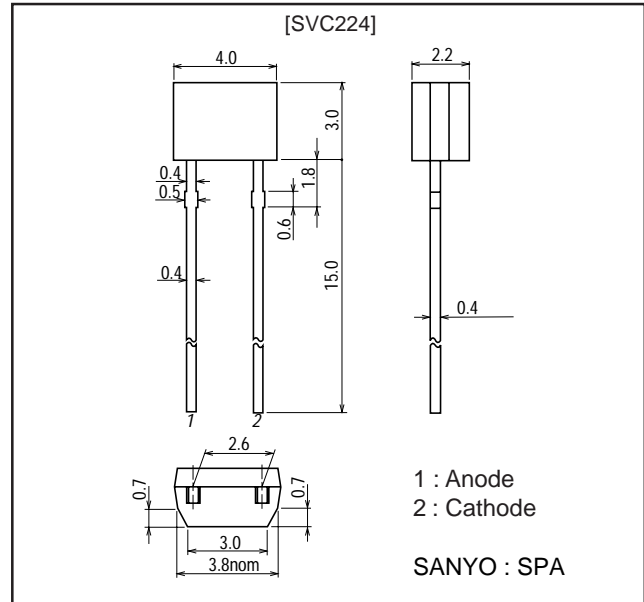
Varactor Diode for VCO

Features

- High capacitance ratio.
- Best suited for VCO use.

Package Dimensions

unit : mm
1184



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V _R		16	V
Junction Temperature	T _J		125	°C
Storage Temperature	T _{stg}		-55 to +125	°C

Electrical Characteristics at Ta=25°C

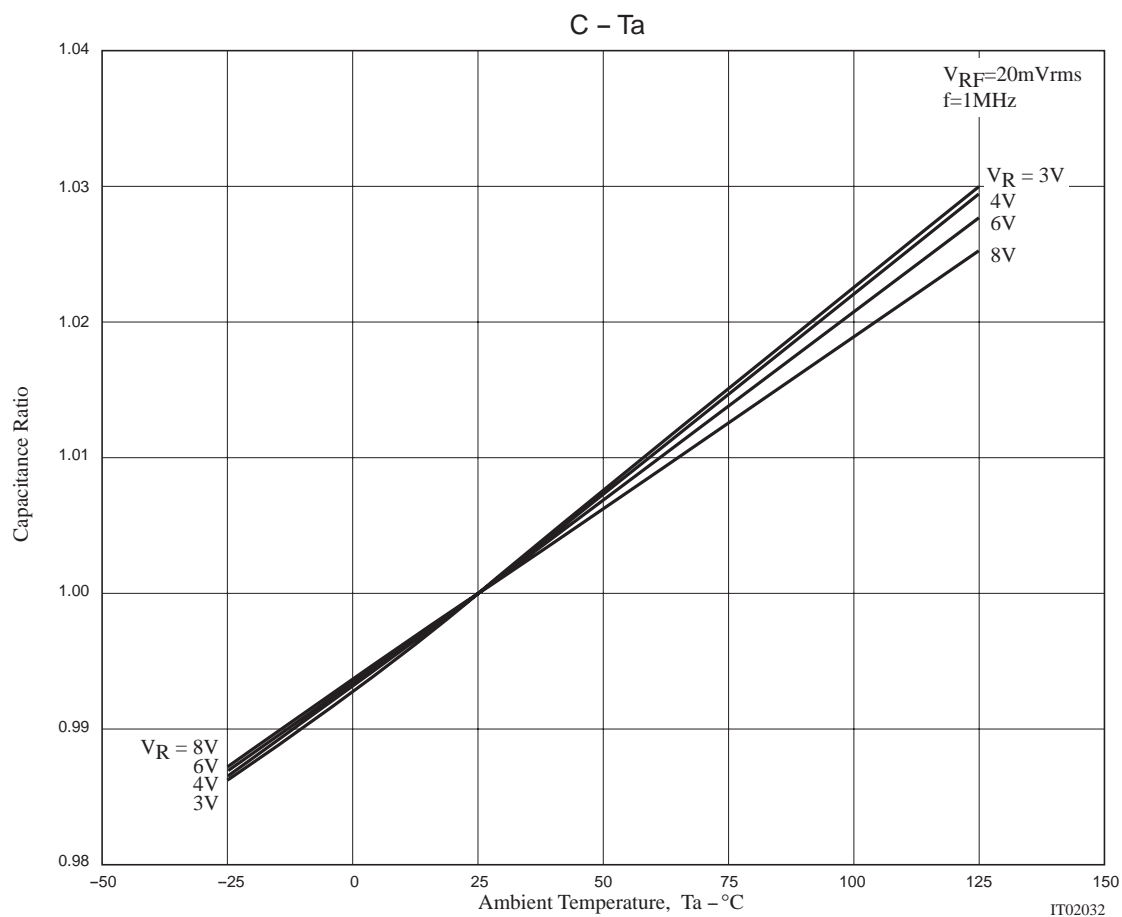
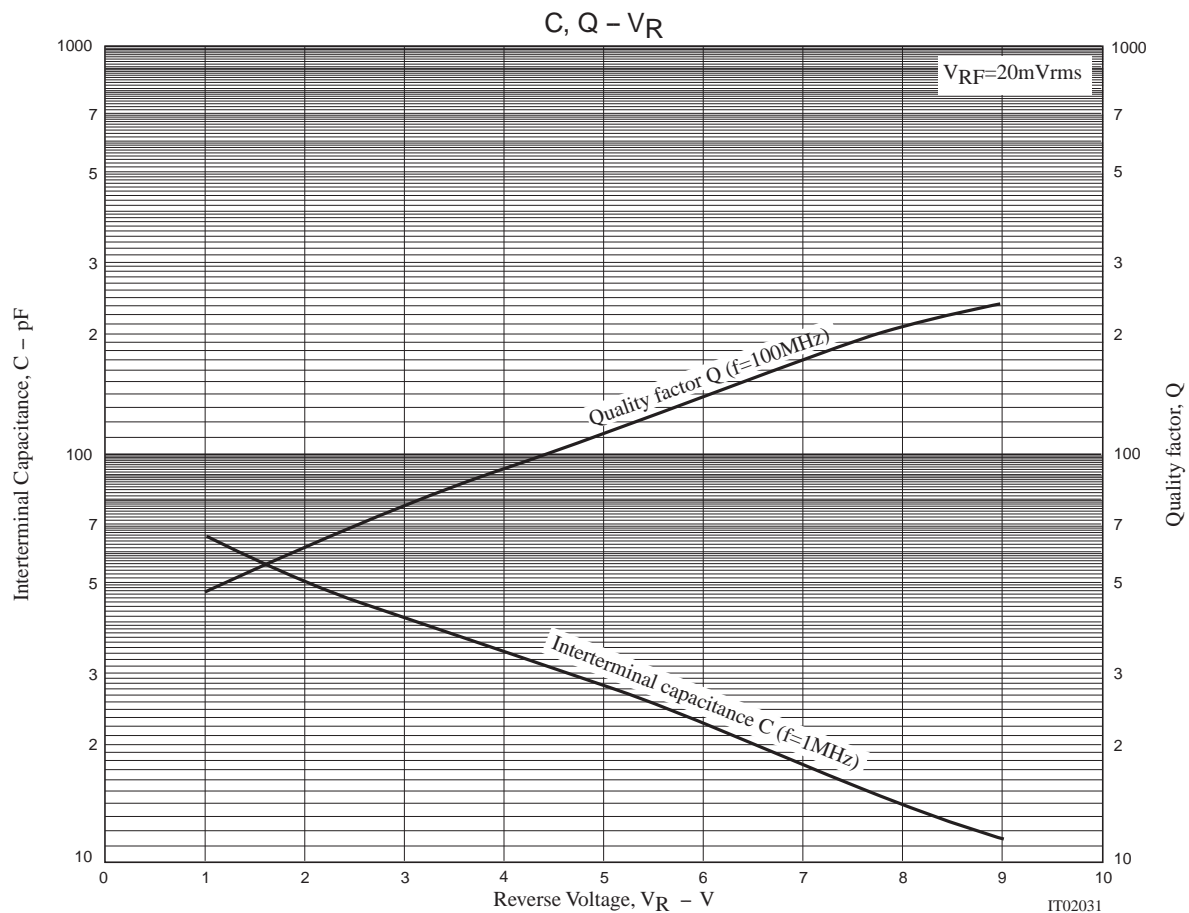
Parameter	Symbol	Conditions	Ratings		Unit
			min	max	
Breakdown Voltage	V(BR) _R	I _R =10μA	16		V
Reverse Current	I _R	V _R =10V		50	nA
Interterminal Capacitance	C _{1,0V}	V _R =1.0V, f=1MHz*	51.0	76.0	pF
	C _{6,0V}	V _R =6.0V, f=1MHz	16.0	29.0	pF
	C _{9,0V}	V _R =9.0V, f=1MHz	9.5	15.5	pF
Capacitance Ratio	CR	C _{1,0V} / C _{9,0V}	4.6	5.8	
Quality Factor	Q	V _R =3.0V, f=100MHz	60		

* : 1MHz signal : 20mVrms

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