



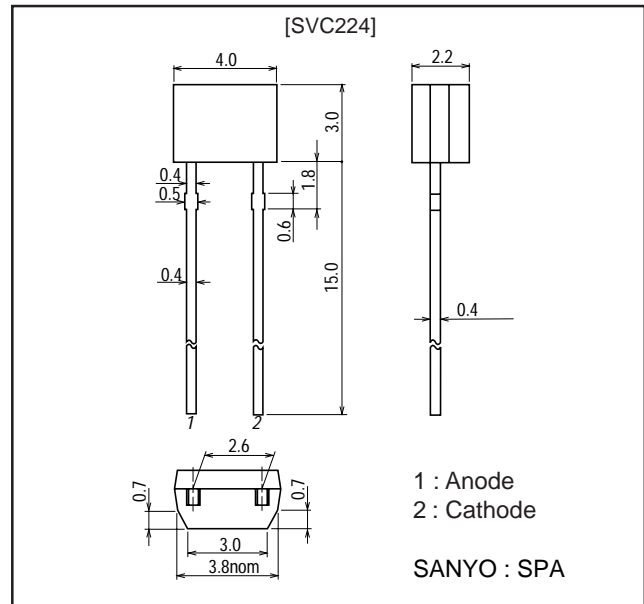
**Varactor Diode for VCO**

**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 <sub>R</sub>		16	V
Junction Temperature	T <sub>J</sub>		125	°C
Storage Temperature	T <sub>stg</sub>		-55 to +125	°C

**Electrical Characteristics** at Ta=25°C

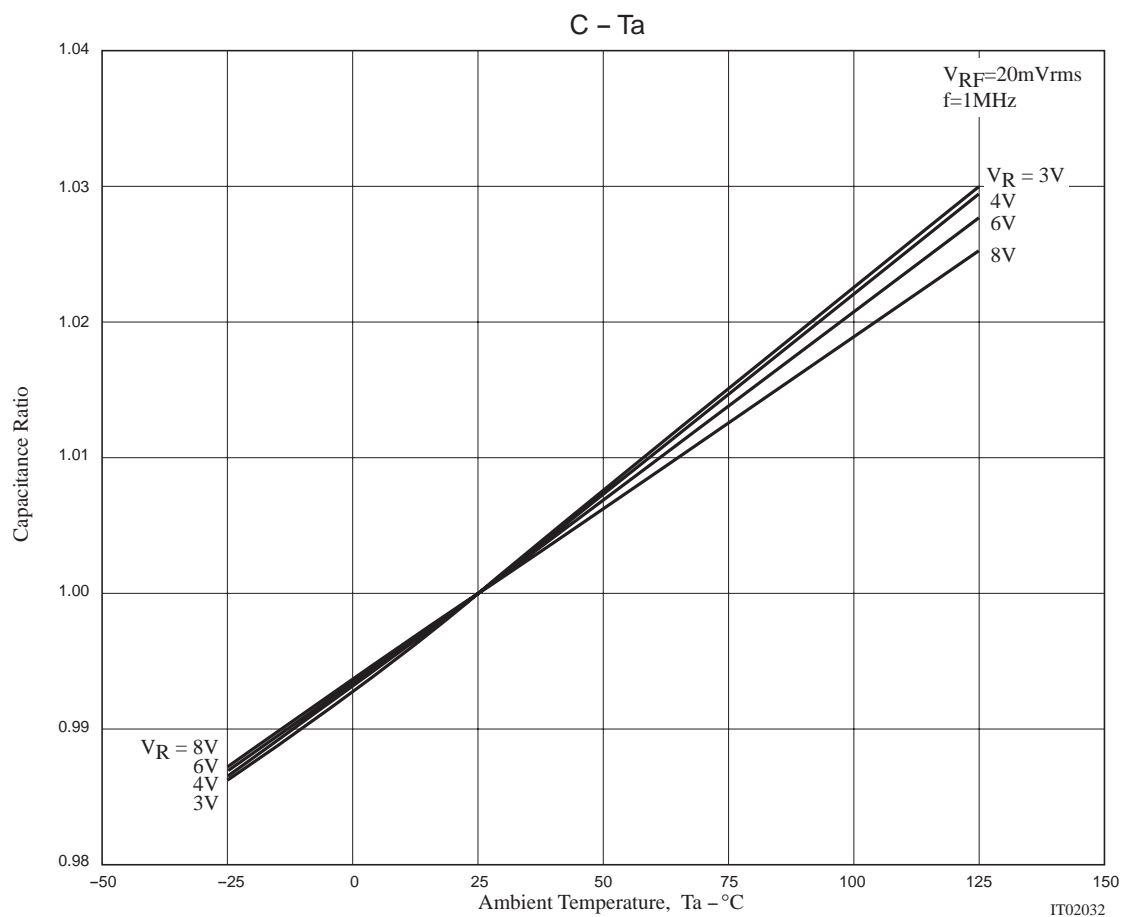
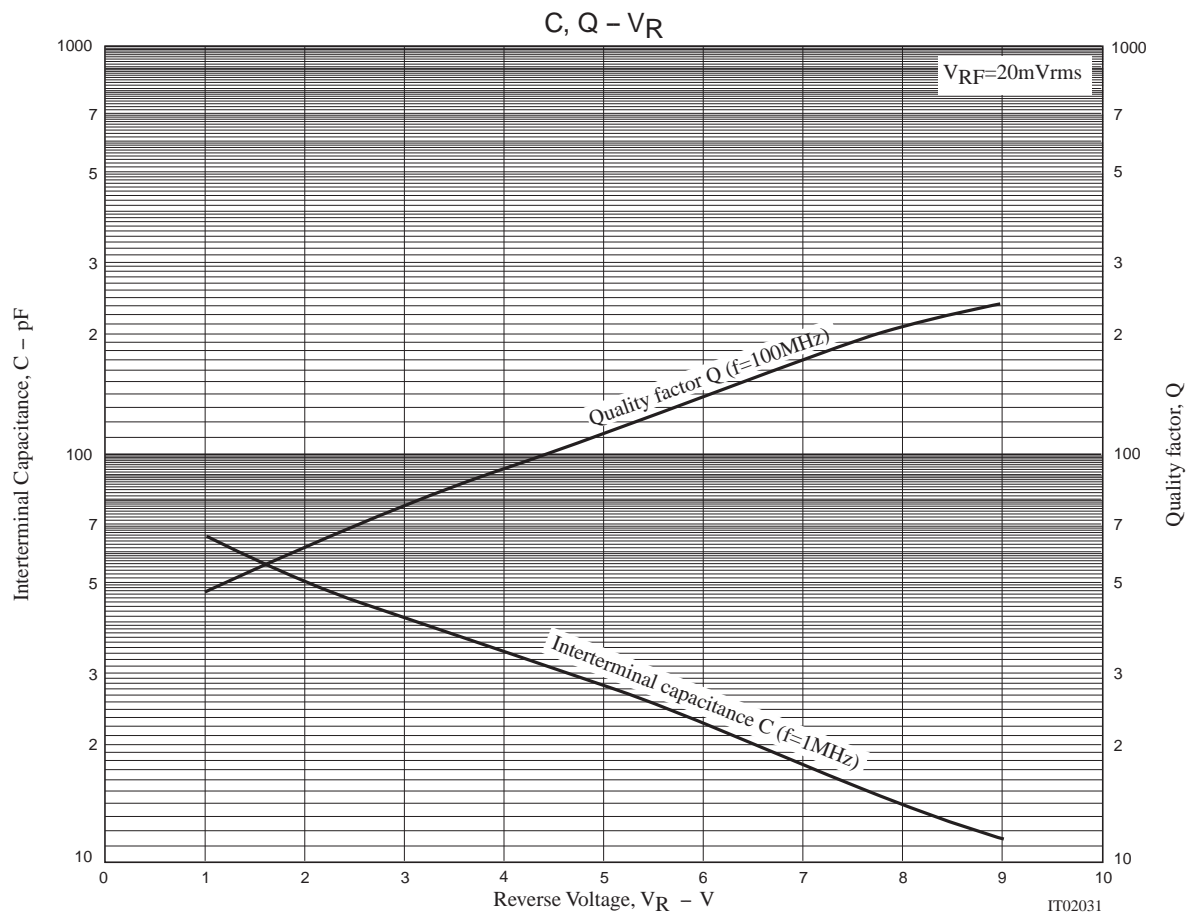
Parameter	Symbol	Conditions	Ratings		Unit
			min	max	
Breakdown Voltage	V(BR)R	I <sub>R</sub> =10μA	16		V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =10V		50	nA
Interterminal Capacitance	C <sub>1,0V</sub>	V <sub>R</sub> =1.0V, f=1MHz*	51.0	76.0	pF
	C <sub>6,0V</sub>	V <sub>R</sub> =6.0V, f=1MHz	16.0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

\* : 1MHz signal : 20mVrms

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