SVC224



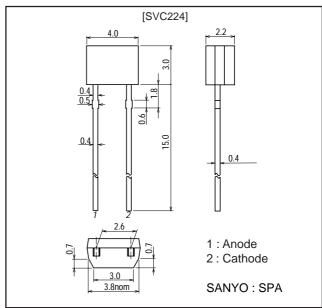
Varactor Diode for VCO

Features

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

Package Dimensions

unit : mm 1184



Specifications

Absolute Maximum Ratings at Ta=25°C

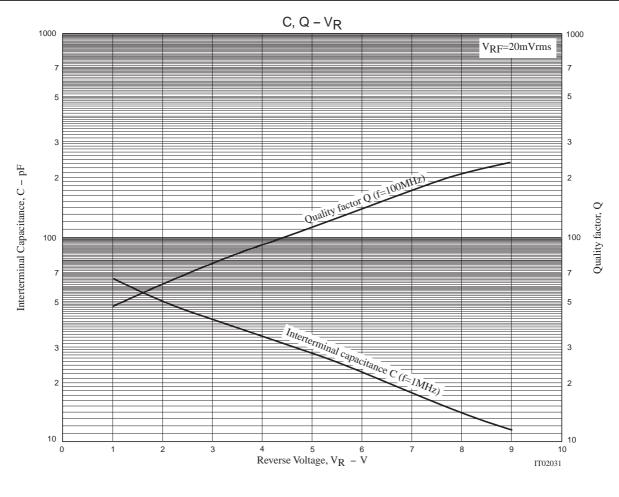
Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		16	V
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

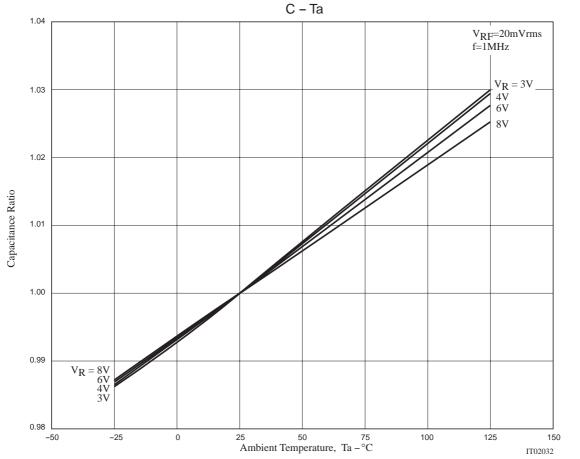
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings		Unit
			min	max	Offic
Breakdown Voltage	V(BR)R	I _R =10μA	16		V
Reverse Current	IR	V _R =10V		50	nA
Interterminal Capacitance	C _{1.0V}	V _R =1.0V, f=1MHz*	51.0	76.0	pF
	C _{6.0} V	V _R =6.0V, f=1MHz	16.0	29.0	pF
	C _{9.0} V	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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