

SVC222

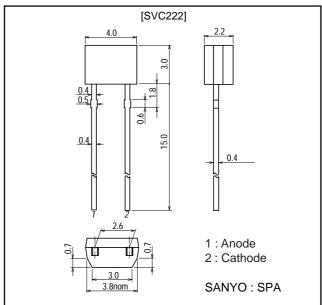
Varactor Diode for FM Receiver Electronic Tuning Use

Features

- Guaranteed matching to 4.0% at V_R=2V.
- · High Q.

Package Dimensions

unit : mm 1184



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	٧R		16	V
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		−55 to +125	°C

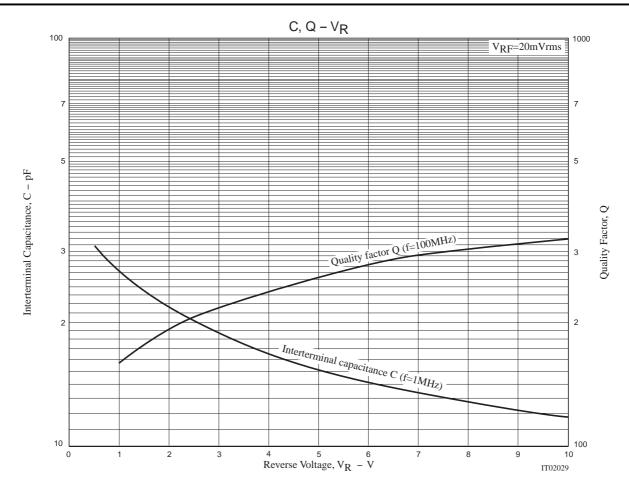
Electrical Characteristics at Ta=25°C

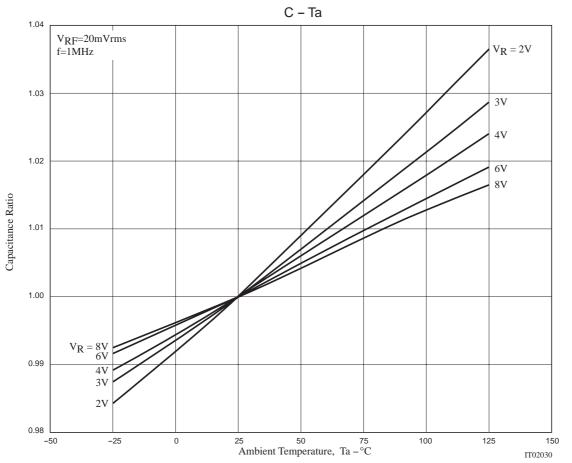
Parameter	Symbol	Conditions	Ratings		Unit
			min	max	Offic
Breakdown Voltage	V(BR)R	I _R =10μA	16		V
Reverse Current	IR	V _R =10V		50	nA
Interterminal Capacitance	C _{2V}	V _R =2.0V, f=1MHz**	20.80	24.80	pF
	C _{8V}	V _R =8.0V, f=1MHz	12.00	15.00	pF
Quality Factor	Q	V _R =3.0V, f=100MHz	100		
Capacitance Ratio	CR	C _{2.0V} / C _{8.0V}	1.65	1.75	
Matching Tolerance	ΔCm	VR=2.0V, f=1MHz (Cmax - Cmin) / CminX100		4.0	%

Note: Matching Tolerance is valid for the devices in each taping reel.

* : 1MHz signal : 20mVrms

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