



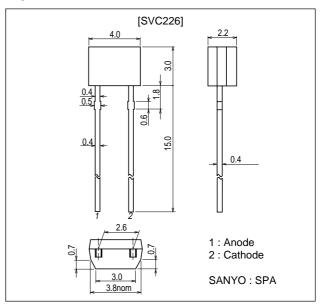
Varactor Diode for FM Receiver Electronic Tuning Applications

Features

- · High capacitance ratio.
- Uniform capacitance-voltage characteristic provided diode to be used in combination.

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

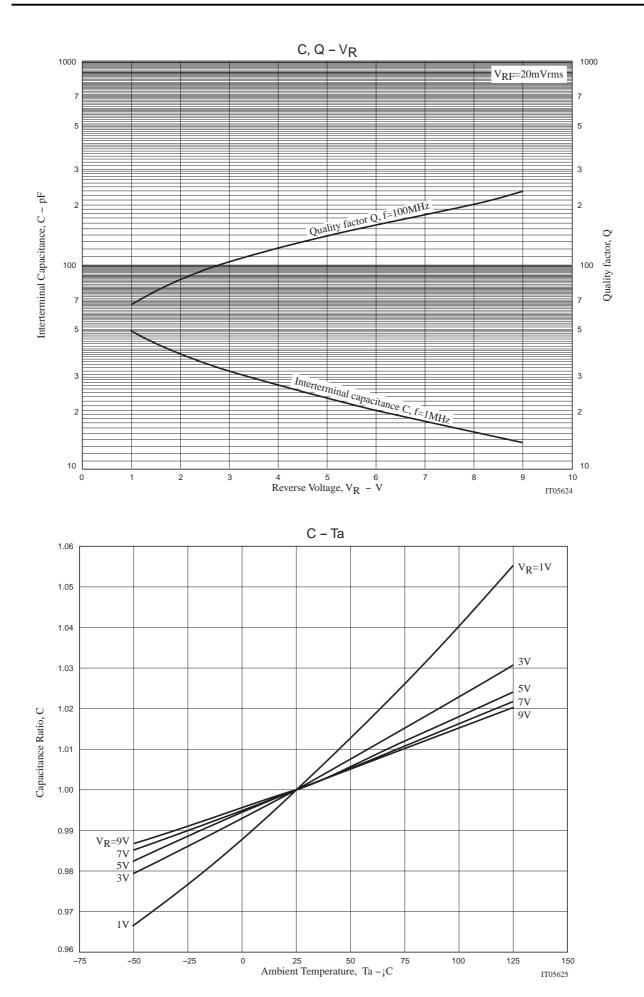
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
	Gyiriboi		min	typ	max	Offic
Breakdown Voltage	V(BR)R	I _R =10μA	16			V
Reverse Current	IR	V _R =16V			10	nA
Interterminal Capacitance	C1.0V	V _R =1.0V, f=1MHz *	41.78		47.50	pF
	C5.0V	V _R =5.0V, f=1MHz	18.04		23.78	pF
	C9.0V	V _R =9.0V, f=1MHz	10.75		13.82	pF
Capacitance Ratio	CR	C1.0V / C9.0V	3.0			
Quality Factor	Q	V _R =3.0V, f=100MHz	80			
Matching Tolerance	ΔCm	V _R =1.0V, 5.0V, 9.0V, f=1MHz, (Cmax-Cmin) / CminX100			3	%

^{* 1}MHz signal : 20mVrms.

Note: Matching Tolerance is valid within each taping reel.

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