

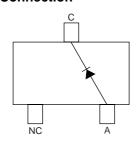


Varactor Diode

Features

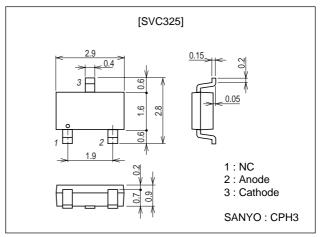
- Miniaturization and high-integration of tuner sets can be easily achieved due to the small package.
- · High capacitance ratio and high quality factor.
- · Surface mount type.

Electrical Connection



Package Dimensions

unit : mm 1303



Specifications

Absolute Maximum Ratings at Tc=25°C

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

Electrical Characteristics at Tc=25°C

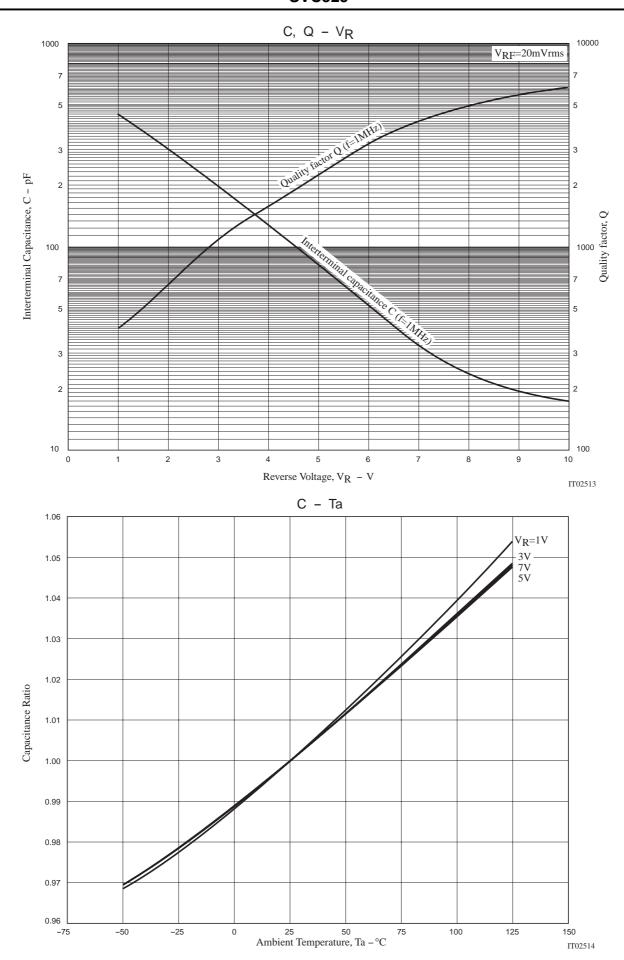
Parameter	Symbol	Conditions	Ratings		1.1-24
			min	max	Unit
Breakdown Voltage	V(BR)R	IR=10μA	16		V
Reverse Current	IR	V _R =9V		100	nA
Interterminal Capacitance	C1.2V	V _R =1.2V, f=1MHz*	388.1	459.1	pF
	C3.5V	V _R =3.5V, f=1MHz	144.2	192.1	pF
	C6.0V	V _R =6.0V, f=1MHz	45.71	60.91	pF
	C8.0V	V _R =8.0V, f=1MHz	20.30	27.05	pF
Quality Factor	Q	V _R =1.0V, f=1MHz	200		-
Capacitance Ratio	CR	C1.2V / C8.0V, f=1MHz	15.5		

Marking: V2

Note)*1 1MHz signal : 20mVrms

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