



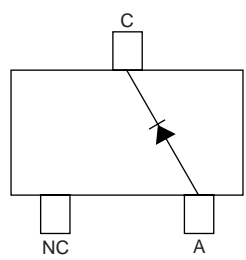
SVC325

Varactor Diode

Features

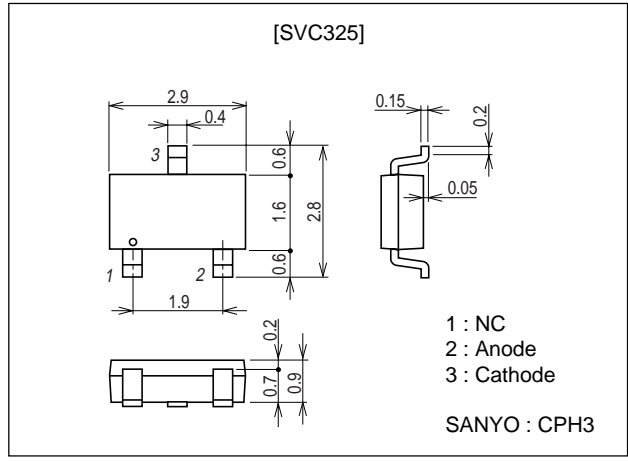
- Miniaturization and high-integration of tuner sets can be easily achieved due to the small package.
- High capacitance ratio and high quality factor.
- Surface mount type.

Electrical Connection



Package Dimensions

unit : mm
1303



Specifications

Absolute Maximum Ratings at Tc=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V_R		16	V
Junction Temperature	T_J		125	°C
Storage Temperature	T_{stg}		-55 to +125	°C

Electrical Characteristics at Tc=25°C

Parameter	Symbol	Conditions	Ratings		Unit
			min	max	
Breakdown Voltage	$V_{(BR)R}$	$I_R=10\mu A$	16		V
Reverse Current	I_R	$V_R=9V$		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		

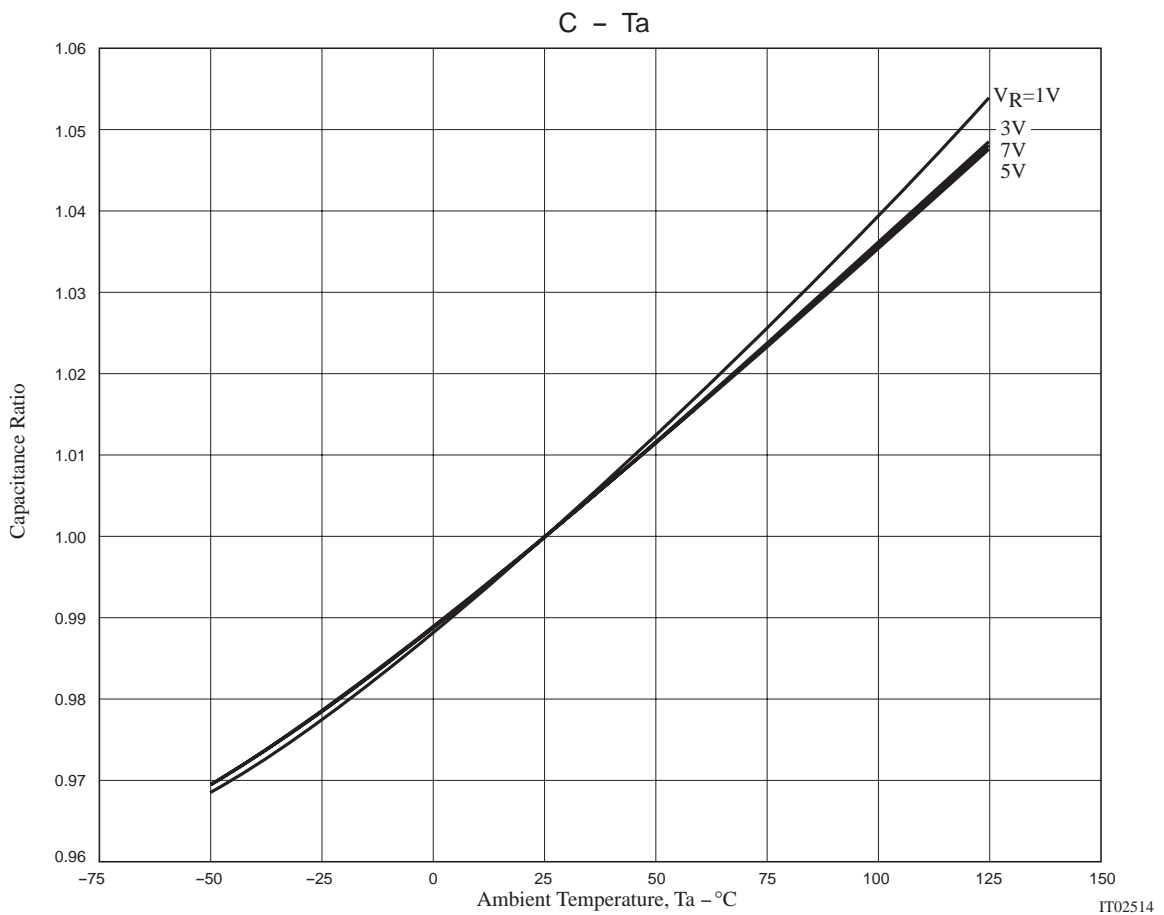
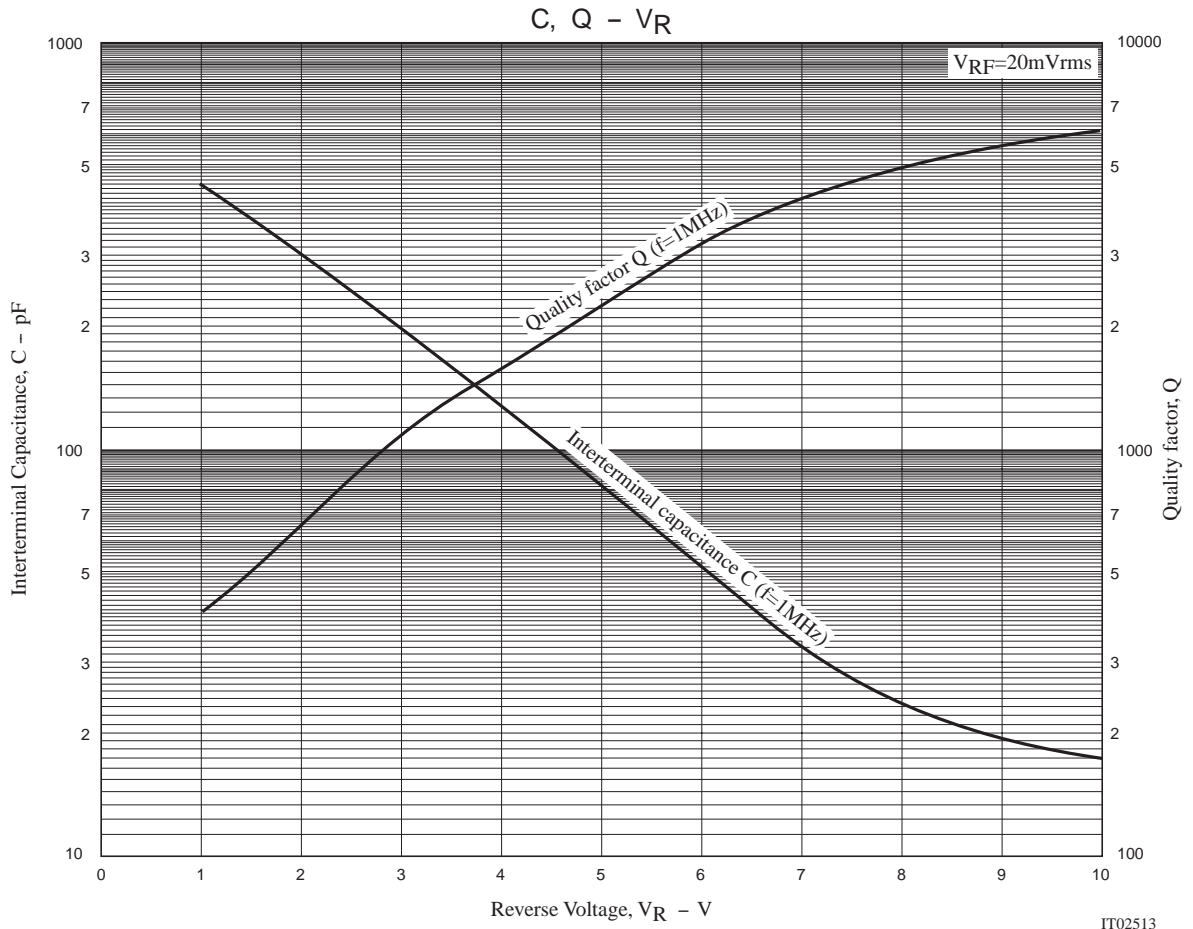
Marking : V2

Note)*1 1MHz signal : 20mVrms

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