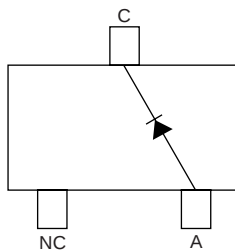


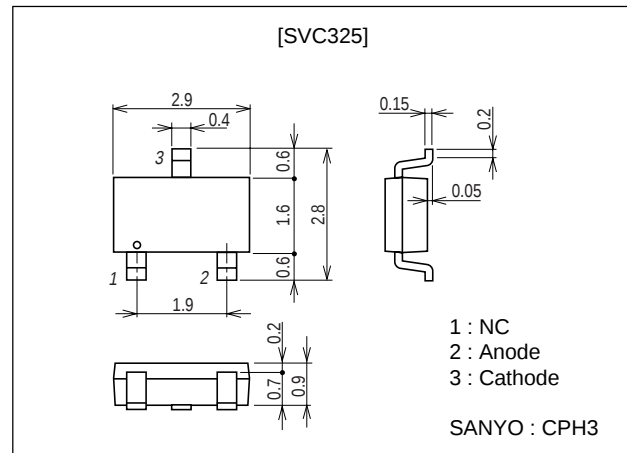
**SVC325****Varactor Diode****Features**

- 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 $T_c=25^\circ\text{C}$

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

Electrical Characteristics at $T_c=25^\circ\text{C}$

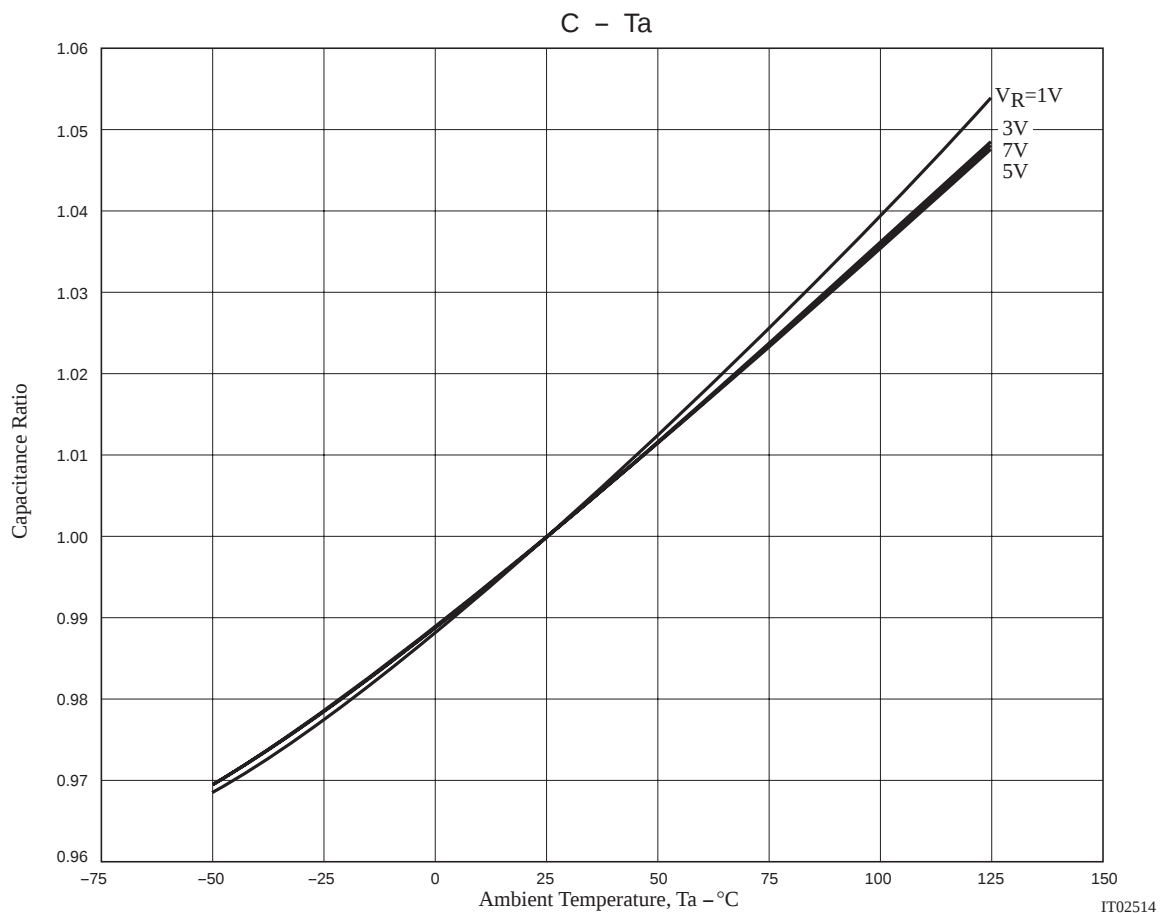
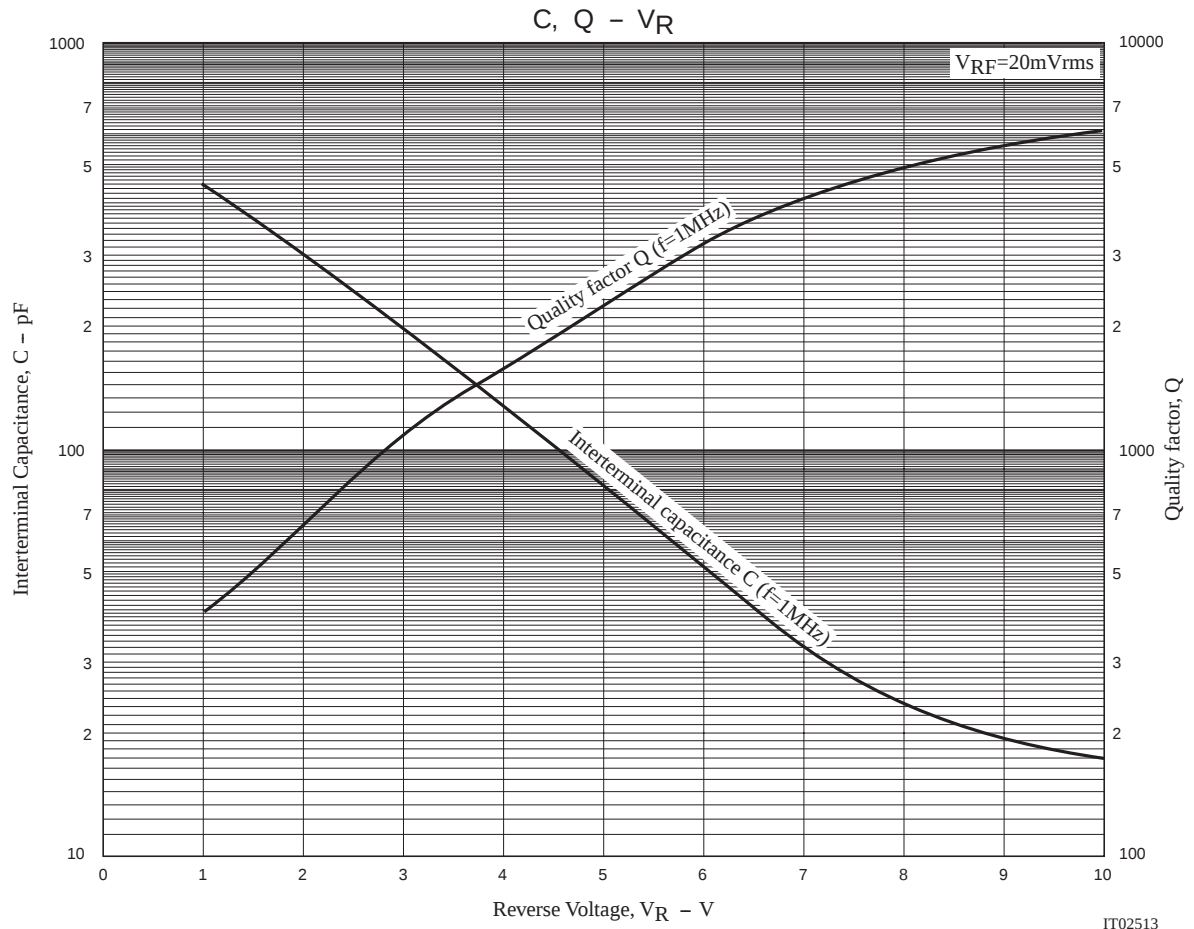
Parameter	Symbol	Conditions	Ratings		Unit
			min	max	
Breakdown Voltage	$V_{(BR)R}$	$I_R=10\mu\text{A}$	16		V
Reverse Current	I_R	$V_R=9\text{V}$		100	nA
Interterminal Capacitance	C1.2V	$V_R=1.2\text{V}, f=1\text{MHz}^*$	388.1	459.1	pF
	C3.5V	$V_R=3.5\text{V}, f=1\text{MHz}$	144.2	192.1	pF
	C6.0V	$V_R=6.0\text{V}, f=1\text{MHz}$	45.71	60.91	pF
	C8.0V	$V_R=8.0\text{V}, f=1\text{MHz}$	20.30	27.05	pF
Quality Factor	Q	$V_R=1.0\text{V}, f=1\text{MHz}$	200		
Capacitance Ratio	CR	C1.2V / C8.0V, $f=1\text{MHz}$	15.5		

Marking : V2

Note)*1 1MHz signal : 20mVrms

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SVC325



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