

SANYO**SVC212**

Diffused Junction Type Silicon Diode Varactor Diode (IOCAP) for FM Receiver Electronic Tuning

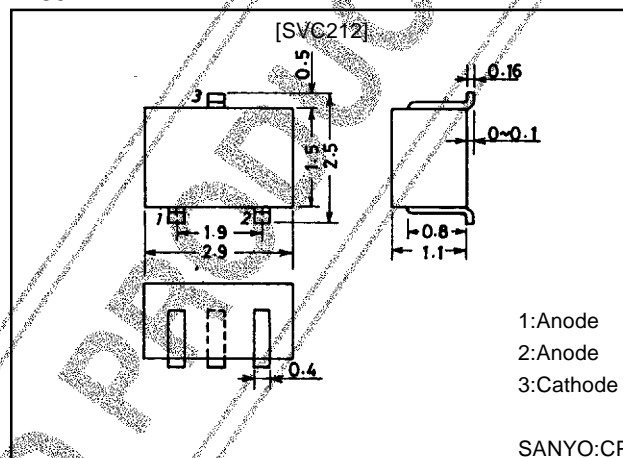
Features

- Twin type FM electronic tuning-use varactor diode which excels in large input characteristic.
- Ultrasmall-sized package making it possible to make SVC212-applied sets smaller and slimmer.
- Possible to offer the SVC212 devices in a tape reel packaging, which facilitates automatic mounting.

Package Dimensions

unit:mm

1169A



Specifications

Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

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 $T_a = 25^\circ\text{C}$

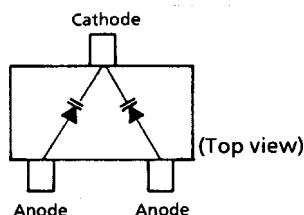
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Breakdown Voltage	$V_{(BR)R}$	$I_R = 10\mu\text{A}$	16			V
Reverse Current	I_R	$V_R = 10\text{V}$			50	nA
Interterminal Capacitance*	C_{2V}	$V_R = 2.0\text{V}, f = 1\text{MHz}$	43.0		47.5	pF
	C_{8V}	$V_R = 8.0\text{V}, f = 1\text{MHz}$	24.5		28.8	pF
Quality Factor	Q	$V_R = 3.0\text{V}, f = 100\text{MHz}$	100			
Capacitance Ratio	CR	$C_{2.0V}/C_{8.0V}$	1.65		1.75	

Note)*:Capacitance value of one diode.

Subclassification of C_{2V}

Rank	Capacitance Value (pF)
1	43.0 to 44.5
2	44.0 to 45.5
3	45.0 to 46.5
4	46.0 to 47.5

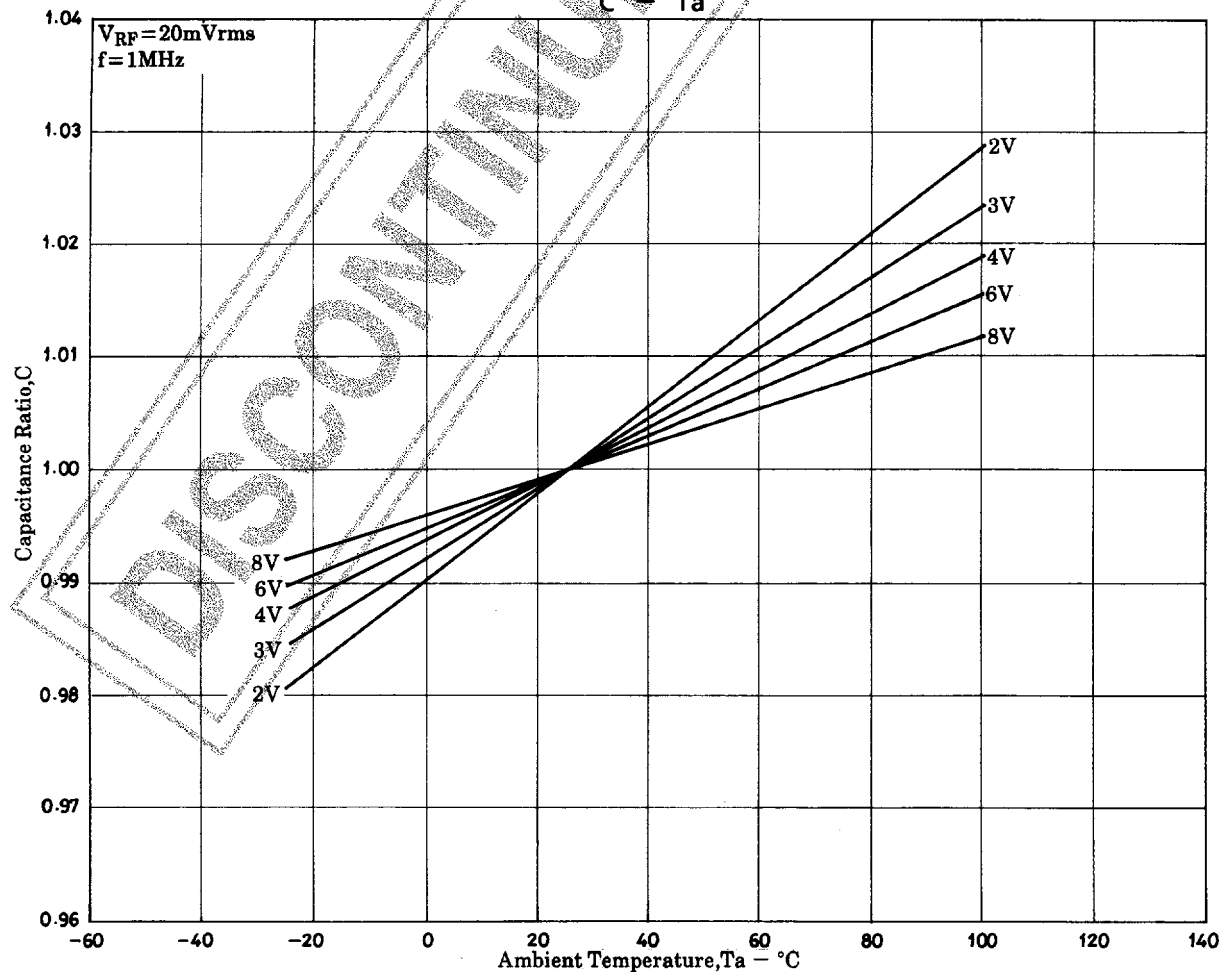
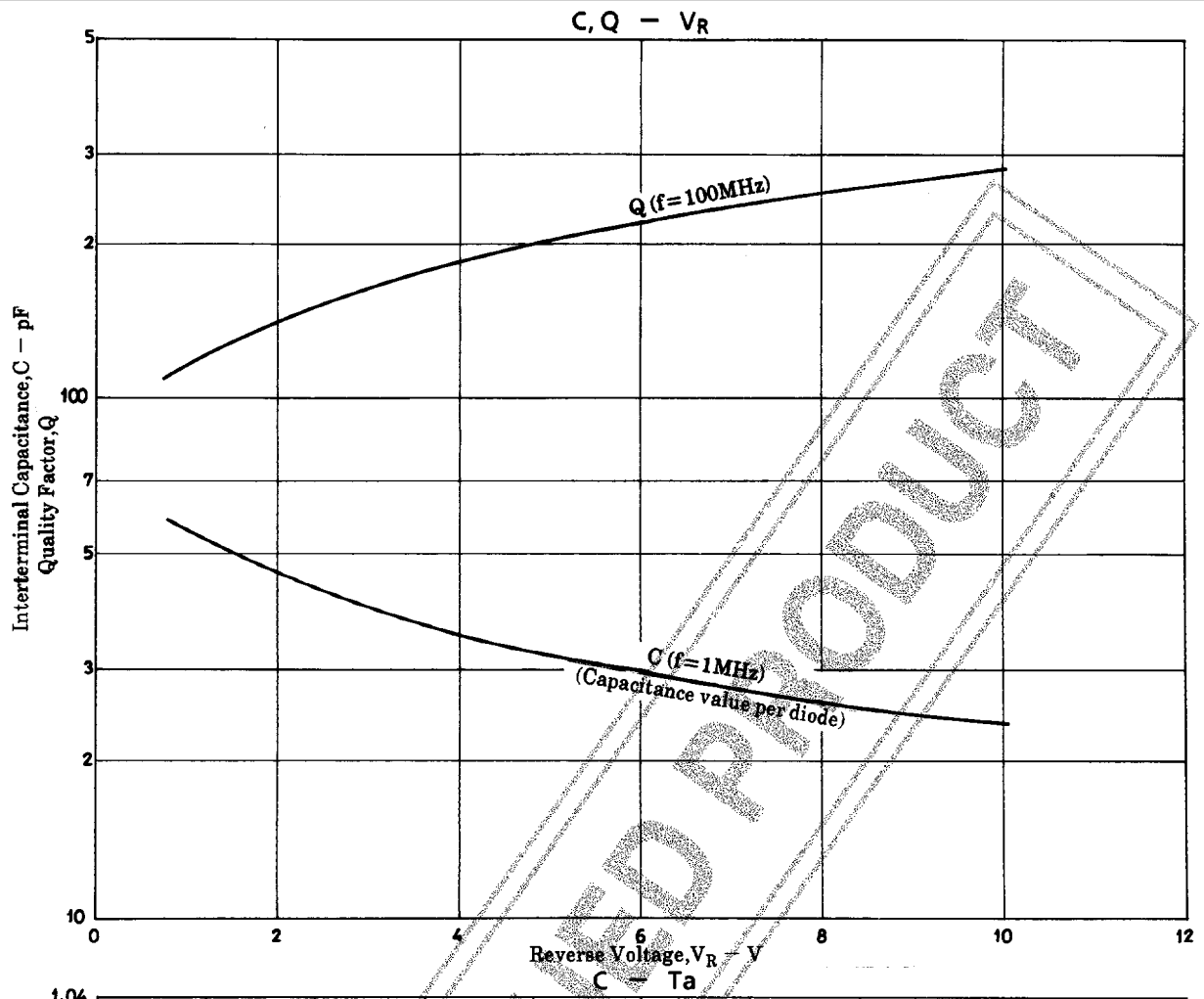
Electrical Connection


SANYO Electric Co.,Ltd. Semiconductor Business Headquarters

TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

33098HA (KT)/41096GI (KOTO) /D056TA, TS No.2228-1/3

SVC212



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