

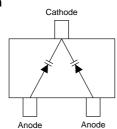
SVC220

Diffused Junction Type Silicon Diode
Varactor Diode for
FM Receiver Electronic Tuning Use

Features

- Twin type varactor diode with good large-signal characteristics for FM receiver electronic tuning use.
- · Very small package permits SVC220-applied sets to be compact and slim.
- · Can be also proviede in tape reel package automatic insertion is supported.
- · High Q.

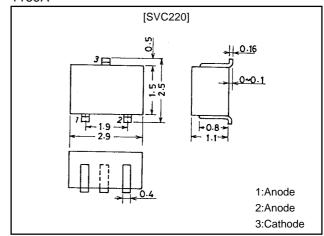
Electrical Connection



Package Dimensions

unit:mm

1169A



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Votlage	V _R		16	V
JuntionTemperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta = 25°C

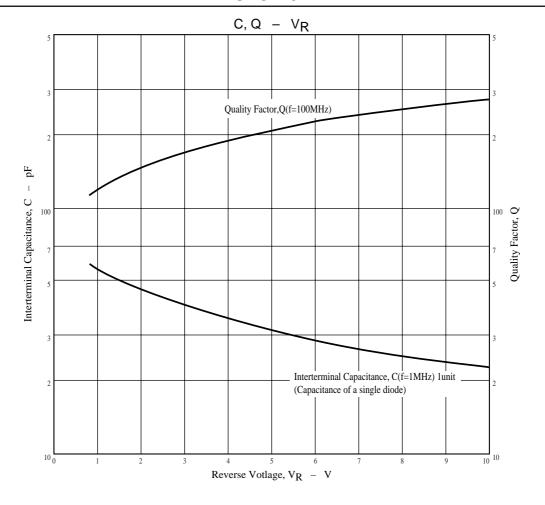
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Oille
Breakdown Voltage	V _{(BR)R}	I _R =10μA	16			V
Reverse Current	I _R	V _R =10V			50	nA
Interterminal Capacitance *1	C _{2V}	V _R =2.0V, f=1MHz	44.0		46.5	pF
	C _{8V}	V _R 8.0V, f=1MHz	25.1		28.2	pF
Quality Factor	Q	V _R =3.0V, f=100MHz	100			
Capacitance Ratio	C _R	C _{2.0V} /C _{8.0V}	1.65		1.75	
Matching Tolerance *2	ΔC_{m}	V_R =2.0V, f=1MHz (C_{max} - C_{min})/ C_{min}			0.03	

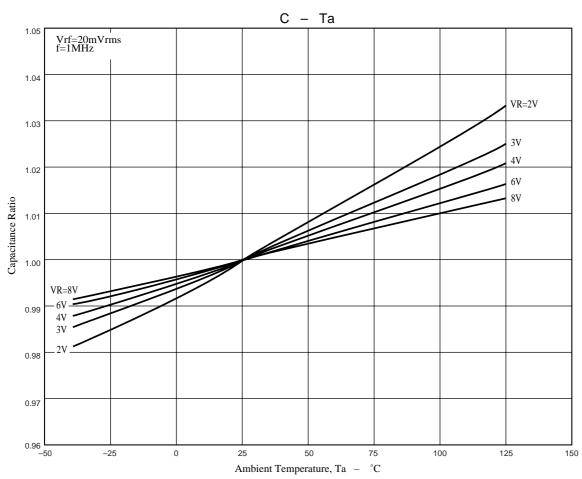
*1 : Capacitance value per each diode.

*2 : Capacitance deviation of seven smaples packaged consecutively in a tape.

Marking: OV

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