

Features

- Twin type varactor diode for AM electronic tuning use.
- High capacitance ratio and high quality factor.
- Provided in a tape and reel packaging format.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		16	V
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Breakdown Voltage	V(BR)R	I _R =10μA	16			V
Reverse Current (One diode)	IR	V _R =9V			100	nA
Interterminal Capacitance (Capacitance value of one diode)	C _{1V}	V _R =1V, f=1MHz *1	470		525	pF
	C _{6V}	VR=6V, f=1MHz		50		pF
	C _{8V}	V _R =8V, f=1MHz	18		24	pF
Quality Factor	Q	V _R =1V, f=1MHz	200			
Capacitance Ratio	CR	C _{1V} / C _{8V} , f=1MHz	19.5			
Matching Tolerance *2	ΔCm	(Cmax-Cmin) / CminX100				
		V _R =1V, f=1MHz			1.5	%
		VR=6V, f=1MHz			2.0	%
		V _R =8V, f=1MHz			2.0	%

*1 : 1MHz signal : 20mVrms

*2 : Between D1 and D2 Matching Tolerance

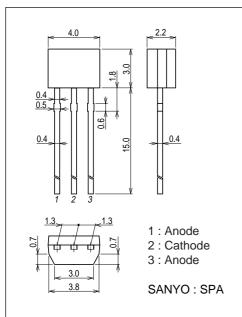
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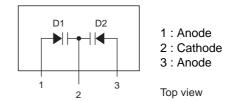
SVC390

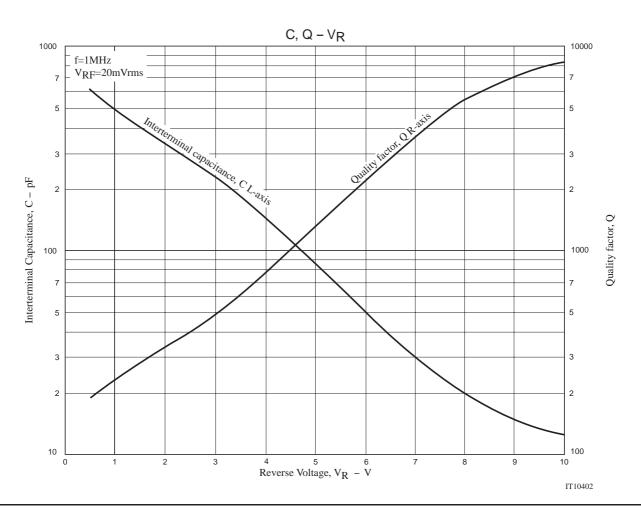
Package Dimensions

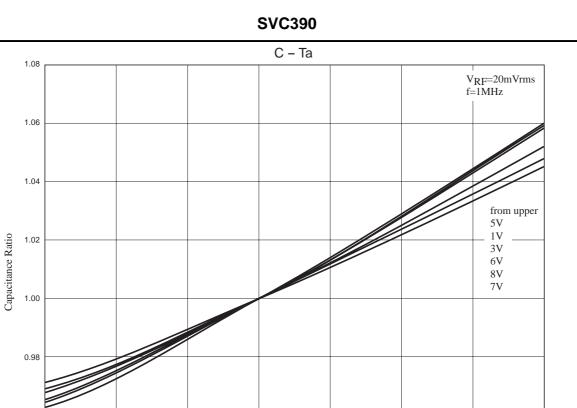




Electrical Connection







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Ambient Temperature, Ta - °C

75

100

125

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