

SVC251SPA

Diffused Junction Type Silicon Diode

Varactor Diode for AFC, CB PLL

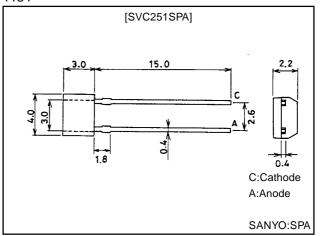
Features

- The SVC251SPA is a varactor diode of hyper abrupt junction structure fabricated with ion implantation technology. It is intended for use in AFC, CB PLL VCO cicuitry.
 - · High Q
 - · High capacitance ratio

Package Dimensions

unit:mm

1184



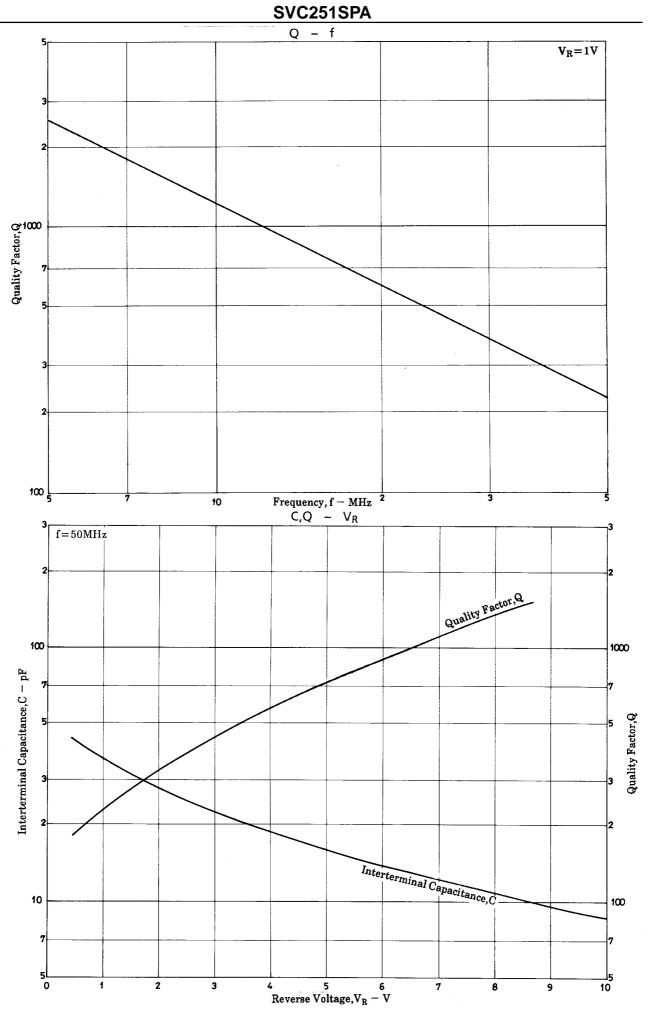
Specifications

Absolute Maximum Ratings at Ta = 25°C

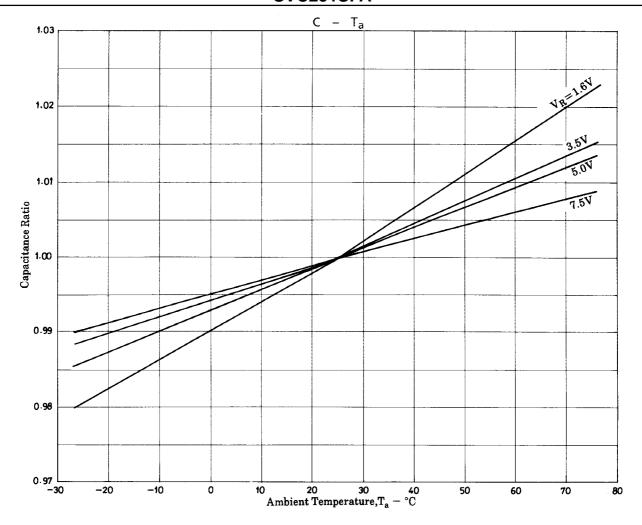
Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V _R		12	V
Junction Temperature	Tj		100	°C
Storage Temperature	Tstg		-55 to +100	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Breakdown Voltage	V _{(BR)R}	I _R =10μA	12			V
Reverse Current	I _R	V _R =9V			200	nA
Interterminal Capacitance	C _{1.6V}	V _R =1.6V, f=1MHz	23		38	pF
	C _{5.0V}	V _R =5.0V, f=1MHz	11		19	pF
Capacitance Ratio	CR	C _{1.6V} /C _{5.0V}	1.7			
Series Resistance	rs	f=50MHz, V _R =1V			0.6	Ω



SVC251SPA



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