



SVC704

 — Silicon Diffused Junction Type Varactor Diode
Varactor Diode for AFC, VCO

Features

- High capacitance ratio ($V_R=1.0$ to $7.0V$).
- Small-sized package.
- Low series resistance.

Specifications

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

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V_R		16	V
Junction Temperature	T_J		150	$^\circ C$
Storage Temperature	T_{stg}		-55 to +150	$^\circ C$

Electrical Characteristics at $T_a=25^\circ C$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Breakdown Voltage	$V_{(BR)R}$	$I_R=10\mu A$	16			V
Reverse Current	I_R	$V_R=10V$			50	nA
Interterminal Capacitance	C1.0V	$V_R=1.0V, f=1MHz$	26.0		30.0	pF
	C7.0V	$V_R=7.0V, f=1MHz$	3.4		4.6	pF
Series Resistance	r_s	$V_R=1.0V, f=470MHz$			0.8	Ω
Capacitance Ratio	CR	C1.0V / C7.0V	6.0			

Marking : V5

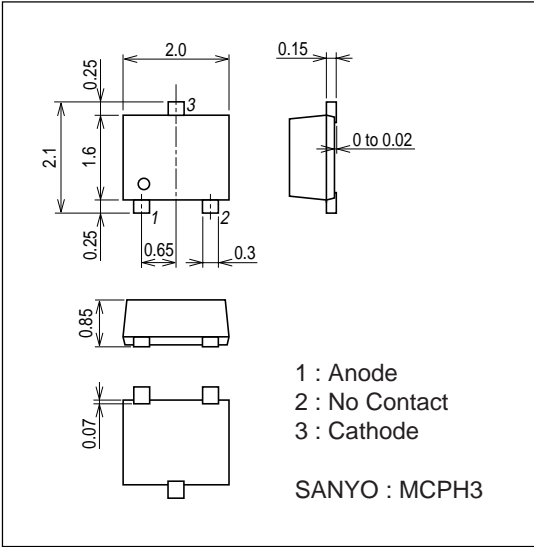
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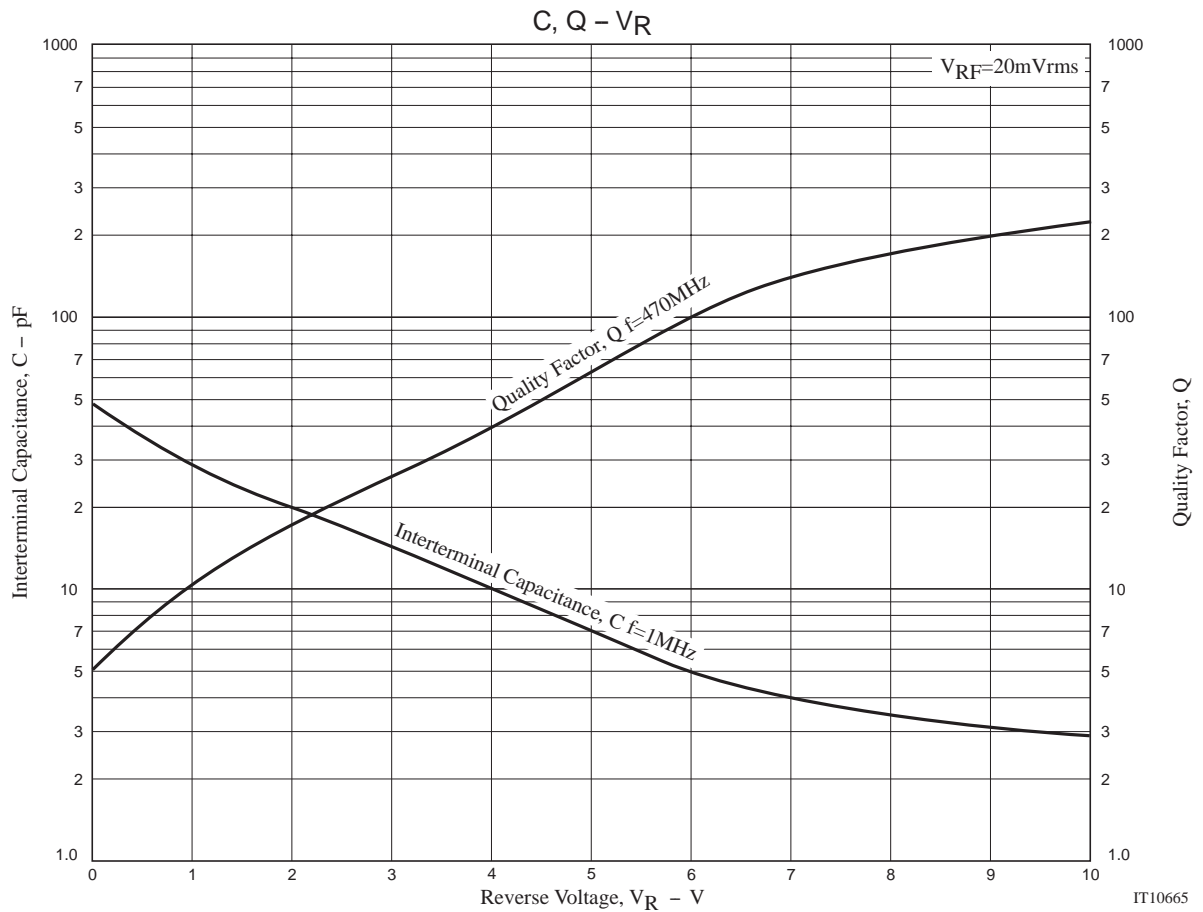
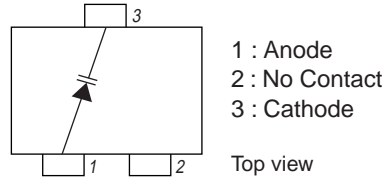
SVC704

Package Dimensions

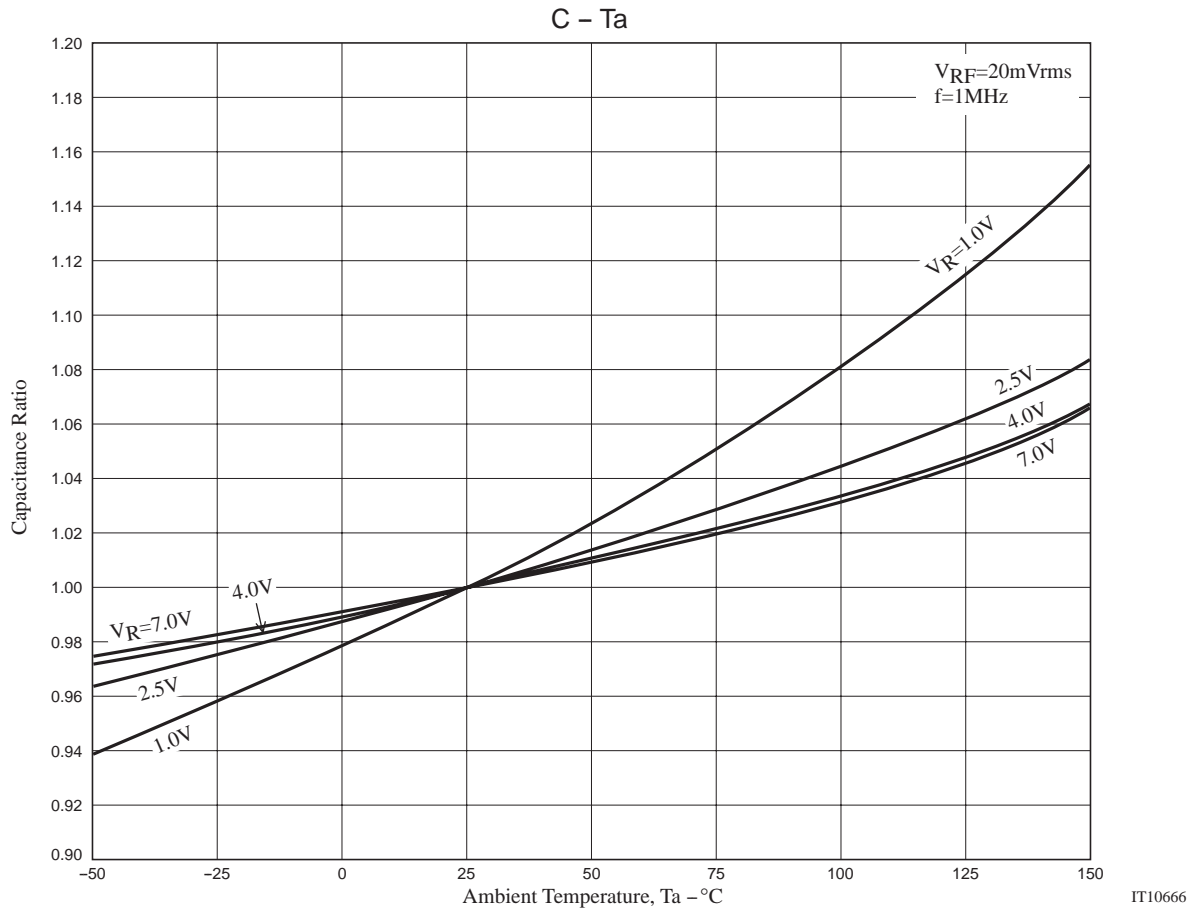
unit : mm
7019A-001



Electrical Connection



SVC704



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