


SANYO Semiconductors

DATA SHEET

SVC710 — Silicon Diffused Junction Type Varactor Diode for AFC, VCO

Features

- High capacitance ratio.
- Low voltage drive.
- Small-sized package : MCPH.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V_R		15	V
Junction Temperature	T_J		150	°C
Storage Temperature	T_{stg}		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Breakdown Voltage	$V_{(BR)R}$	$I_R=10\mu A$	15			V
Reverse Current	I_R	$V_R=15V$			20	nA
Interterminal Capacitance*	C1.0V	$V_R=1.0V, f=1MHz$	18.5		21.5	pF
	C4.0V	$V_R=4.0V, f=1MHz$	3.5		4.8	pF
Series Resistance	r_s	$V_R=1.0V, f=100MHz$		1.6		Ω
Capacitance Ratio	CR	C1.0V / C4.0V		4.8		

Marking : V8

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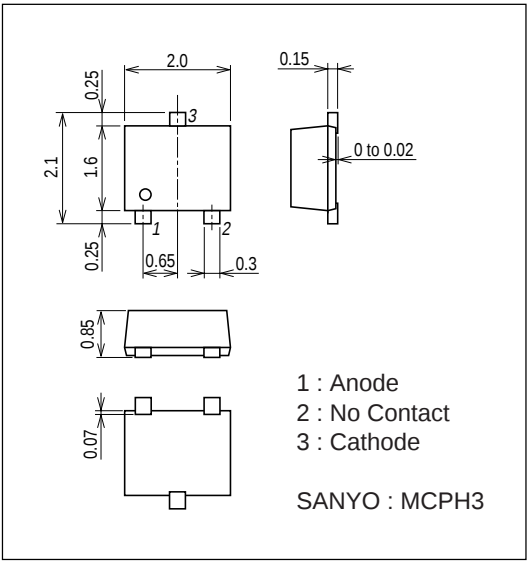
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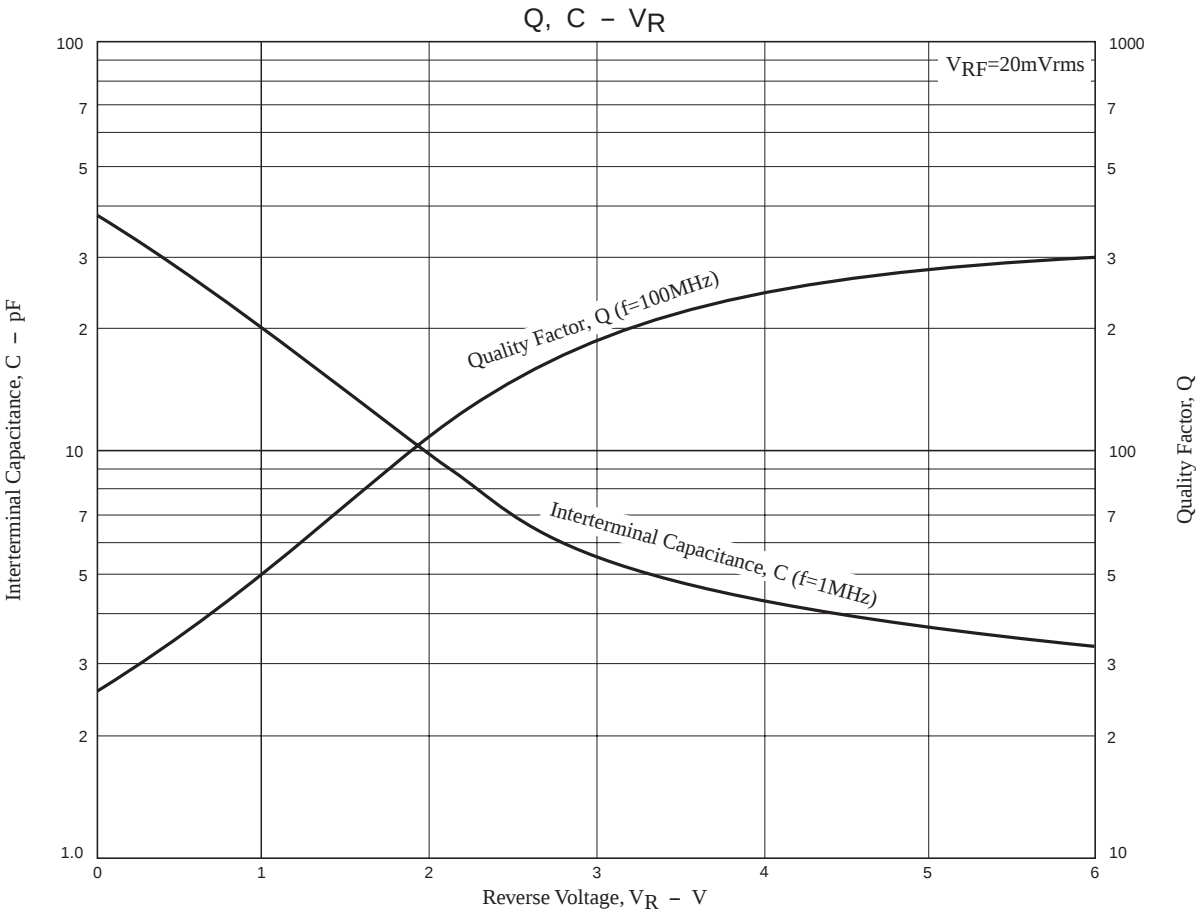
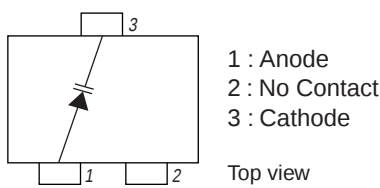
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Package Dimensions

unit : mm (typ)
7019A-001

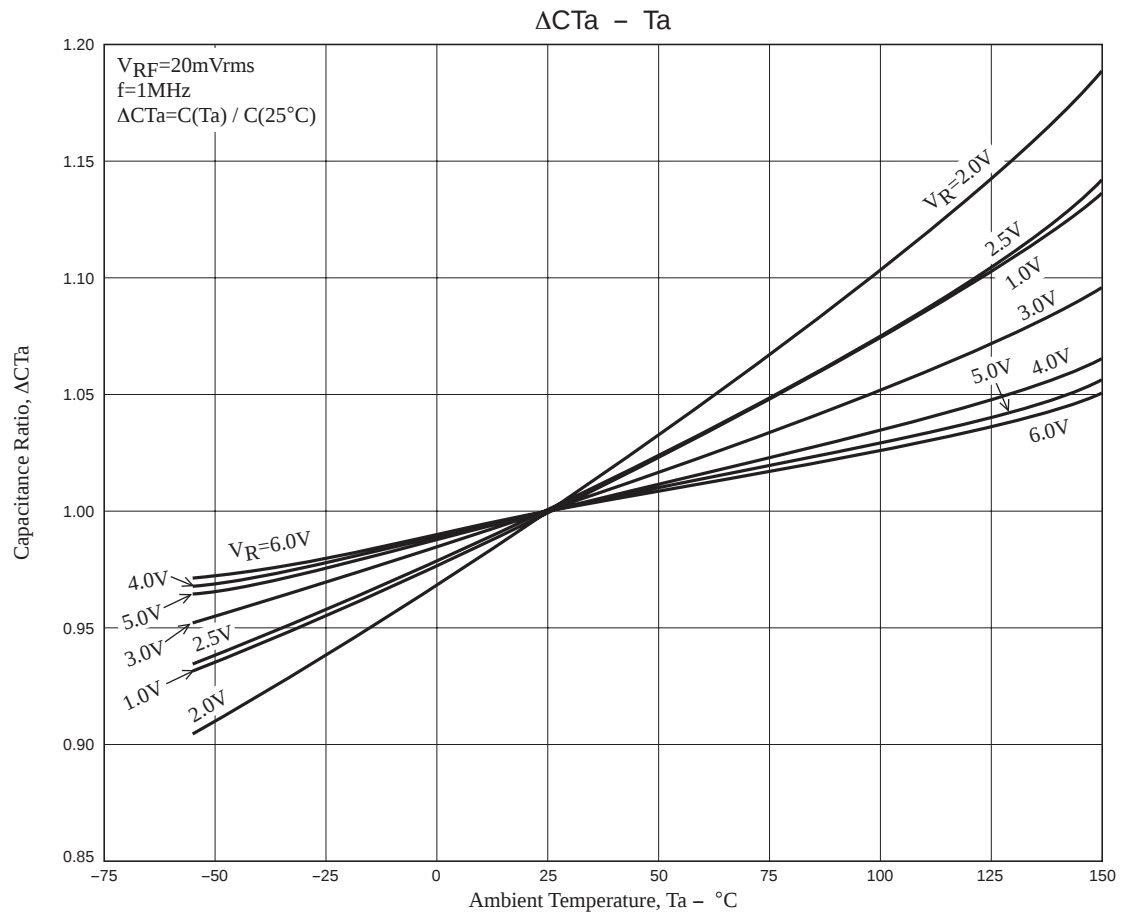
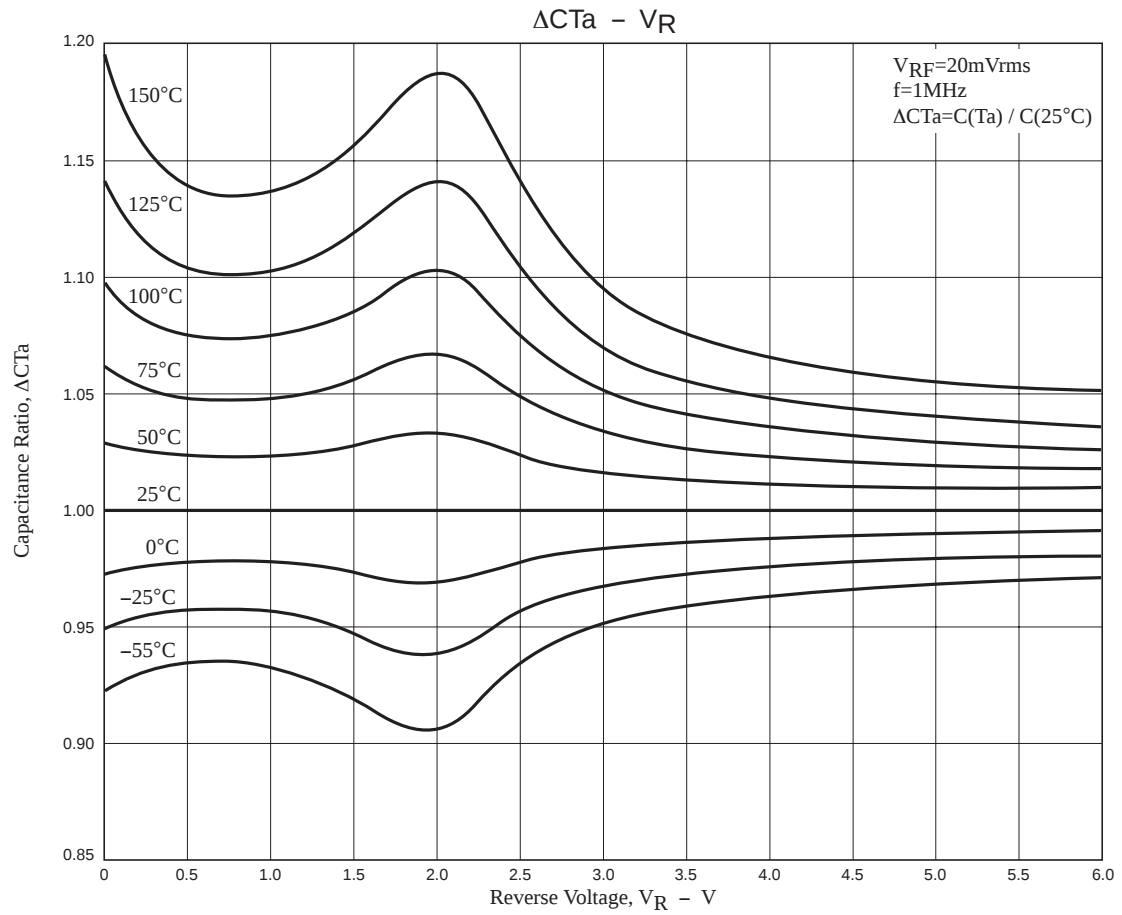


Electrical Connection



IT11916

SVC710



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