Ordering number : ENA0605

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	Tj		150	°C
Storage Temperature	Tstg		−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=10μA	15			V
Reverse Current	I_R	V_R=15V			20	nA
Interterminal Capacitance*	$C_{1.0V}$	V_R=1.0V, f=1MHz	18.5		21.5	pF
	$C_{4.0V}$	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	C_R	$C_{1.0V}$ / $C_{4.0V}$		4.8		

Marking : V8

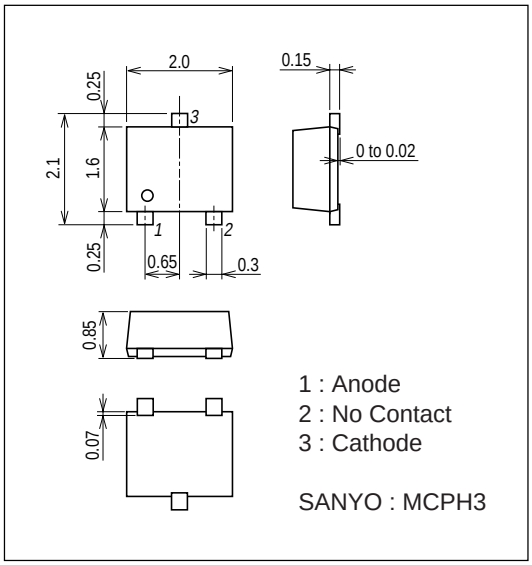
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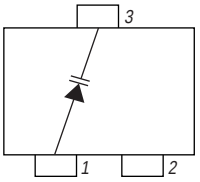
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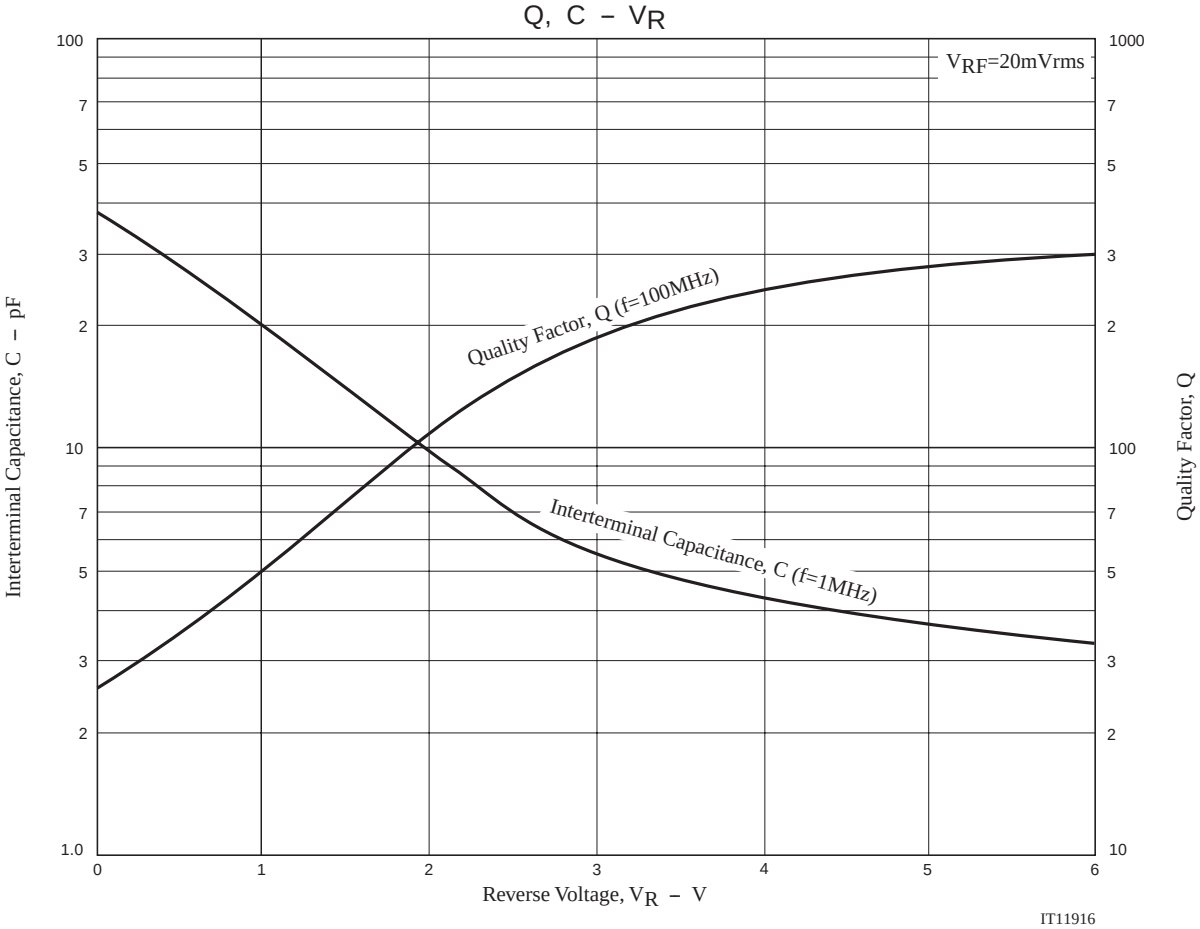
Package Dimensions

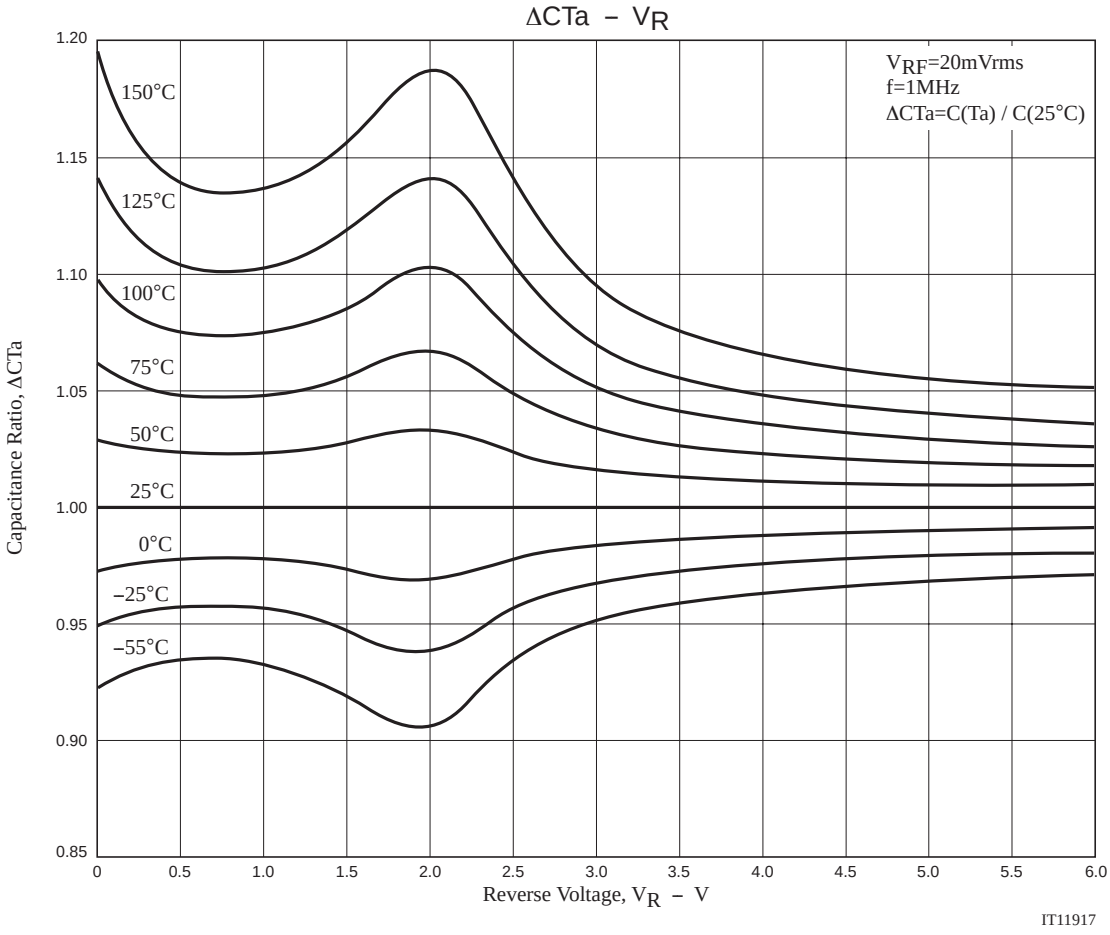
unit : mm (typ)
7019A-001



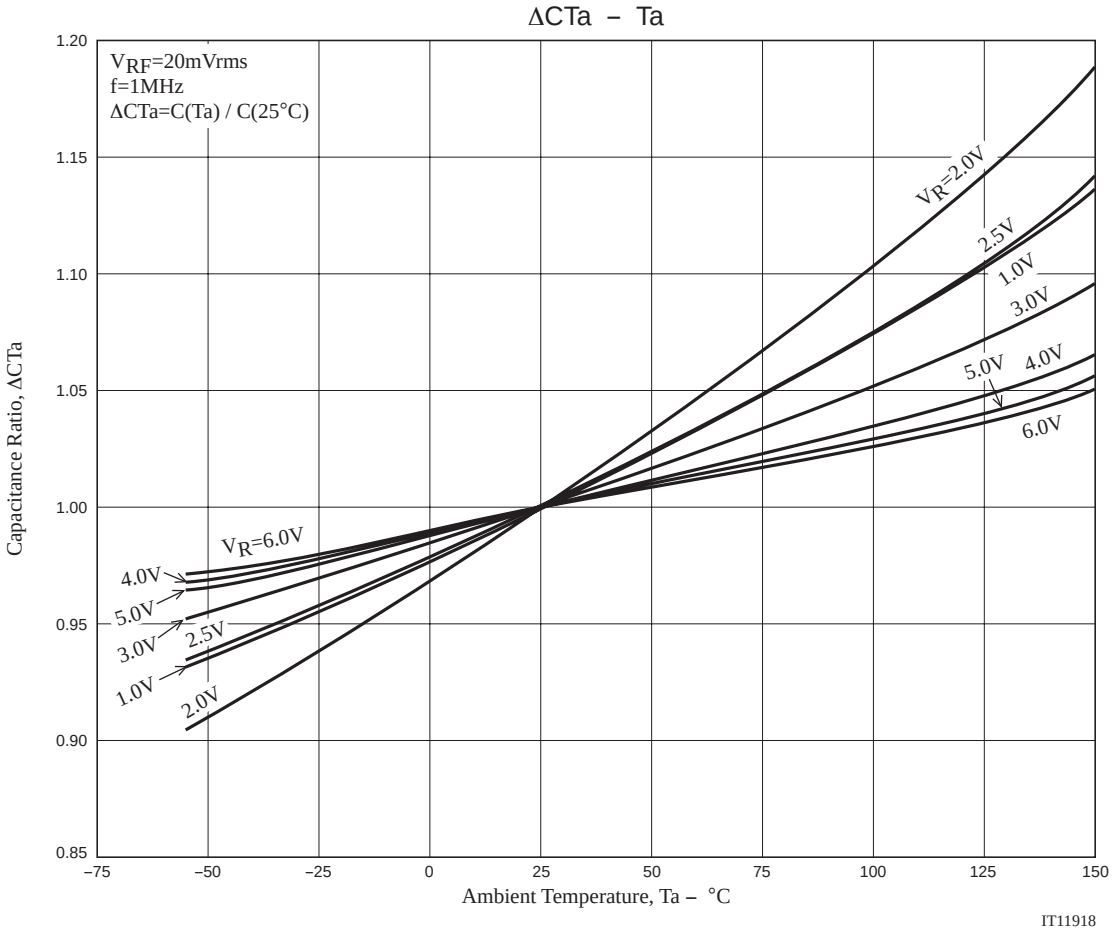
Electrical Connection







IT11917



IT11918

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