

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	VR		15	V
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

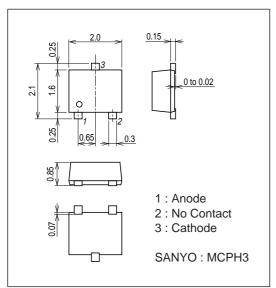
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Breakdown Voltage	V(BR)R	I _R =10μA	15			V
Reverse Current	IR	V _R =15V			20	nA
Interterminal Capacitance*	C _{1.0V}	VR=1.0V, f=1MHz	18.5		21.5	pF
	C _{4.0V}	V _R =4.0V, f=1MHz	3.5		4.8	pF
Series Resistance	r _s	V _R =1.0V, f=100MHz		1.6		Ω
Capacitance Ratio	CR	C _{1.0V} / C _{4.0V}		4.8		

Marking : V8

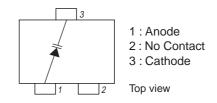
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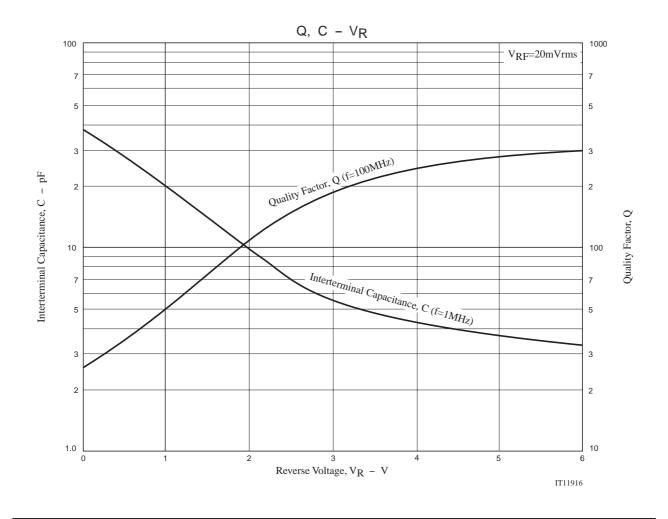
Package Dimensions

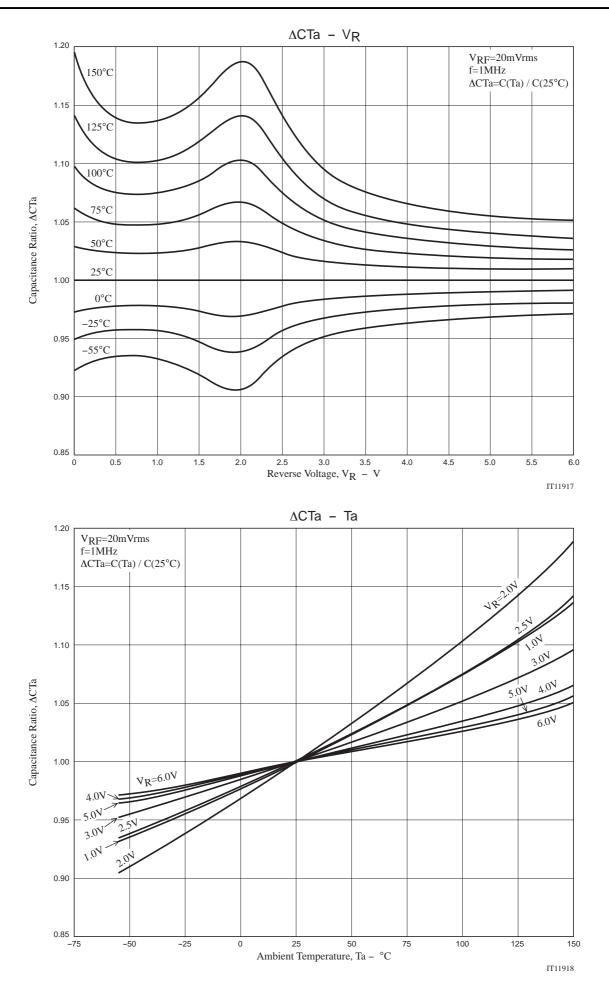
unit : mm (typ) 7019A-001











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