



SANYO Semiconductors

DATA SHEET

SVC276

 — Diffused Junction Type Silicon Diode
FM Receiver Electronic Tuning Applications

Features

- Twin type with a good linearity of C-V characteristic. Excels in large input characteristic.
- Small package permits SVC276-applied sets to be compact and slim.
- High capacitance ratio ($V_R=2.0$ to $8.0V$).
- High Quality Factor.

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		125	$^\circ C$
Storage Temperature	T_{stg}		-55 to +125	$^\circ C$

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*	C2.0V	$V_R=2.0V, f=1MHz$	73.72		79.77	pF
	C6.0V	$V_R=6.0V, f=1MHz$	25.50		33.61	pF
	C8.0V	$V_R=8.0V, f=1MHz$	18.04		23.78	pF
Quality Factor	Q	$V_R=2.0V, f=100MHz$	100			
Capacitance Ratio	CR	C2.0V / C8.0V	3.1			

Note)* : Capacitance value per each diode.

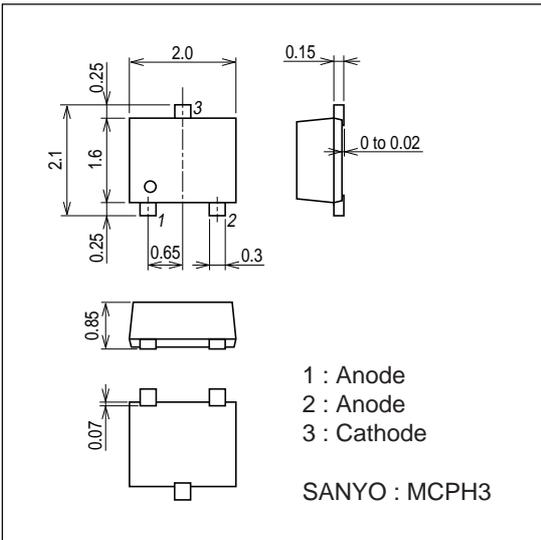
Marking : V3

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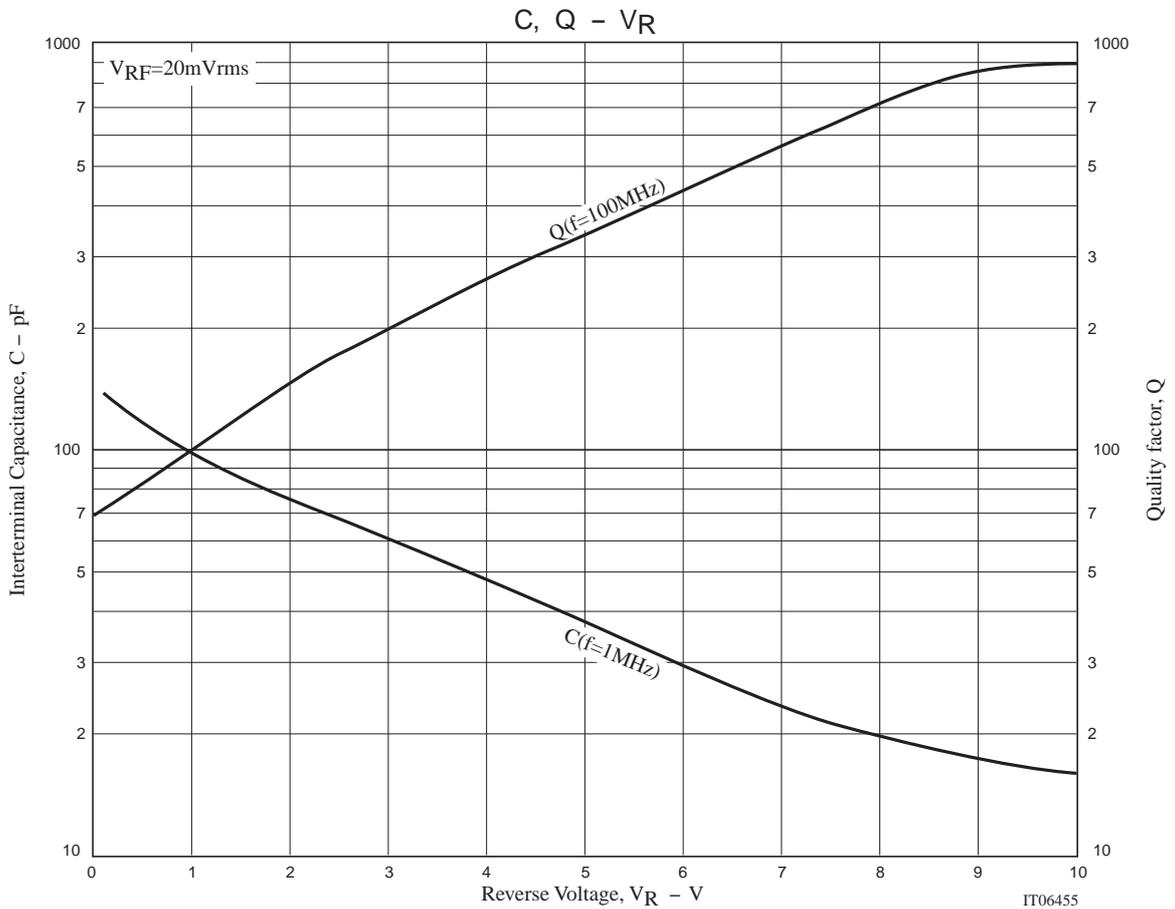
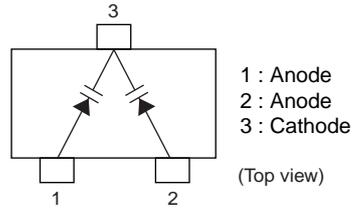
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Package Dimensions

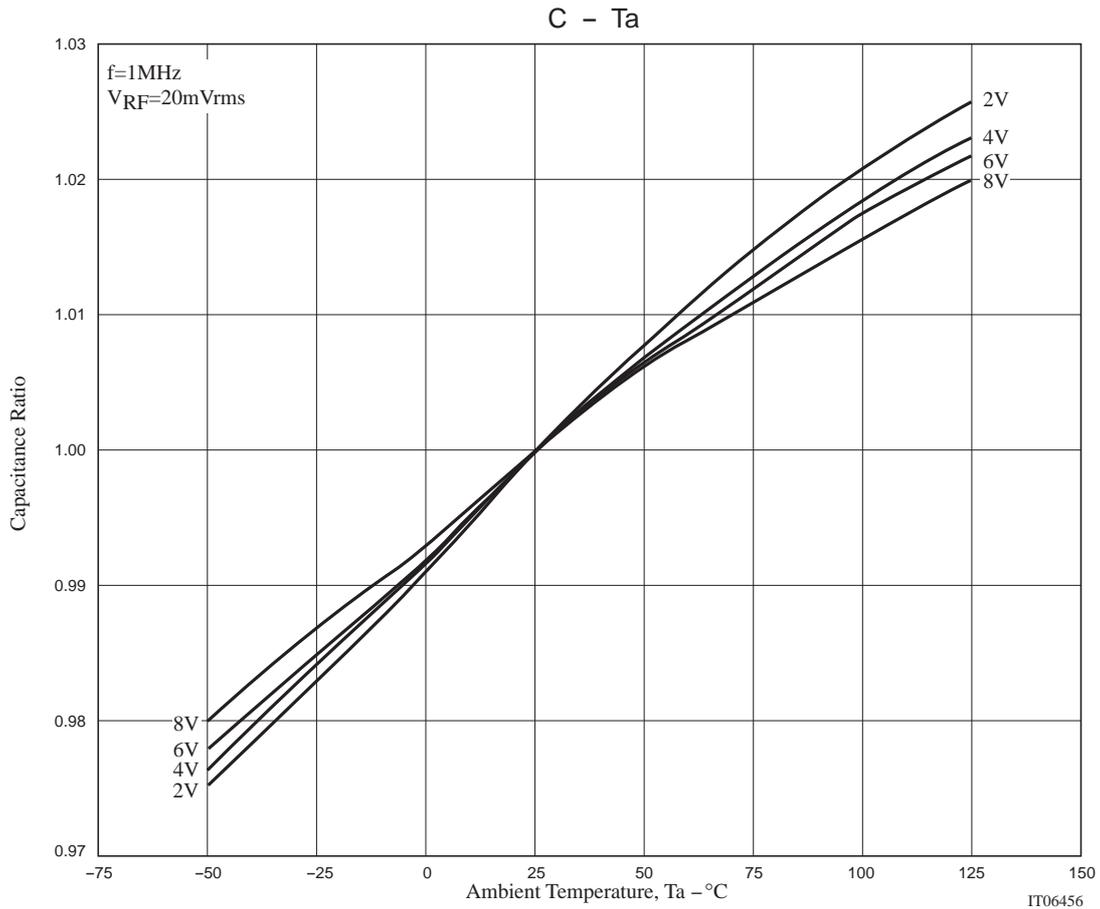
unit : mm (typ)
7019A-002



Electrical Connection



SVC276



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