

Ordering number : ENN7680

Silicon Diffused Junction Type Varactor Diode

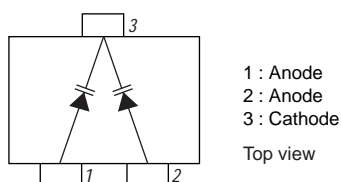
SVC272

FM Receiver Electronic Tuning Applications

Features

- Twin type varactor diode with good large-signal characteristics for FM receiver electronic tuning use.
- Small package permits SVC272-applied sets to be compact and slim.
- Can be also provided in tape reel package thereby automatic insertion is supported.
- High Quality Factor.

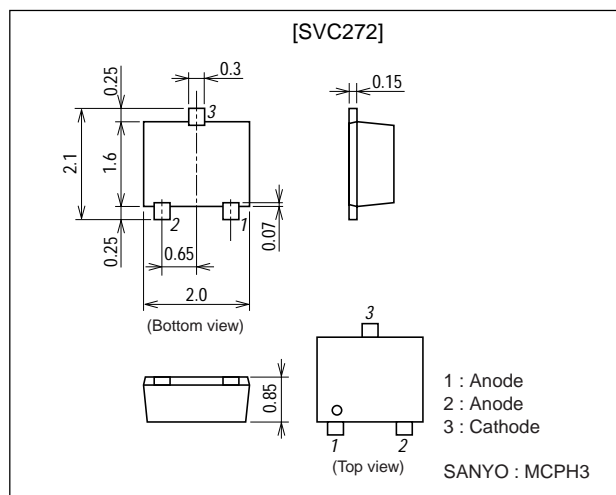
Electrical Connection



Package Dimensions

unit : mm

1326



Specifications

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

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V_R		16	V
Junction Temperature	T_j		125	$^\circ\text{C}$
Storage Temperature	T_{stg}		-55 to +125	$^\circ\text{C}$

Electrical Characteristics at $T_a=25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Breakdown Voltage	$V_{(BR)R}$	$I_R=10\mu\text{A}$	14			V
Reverse Current	I_R	$V_R=10\text{V}$			50	nA
Interterminal Capacitance*	C2.0V	$V_R=2.0\text{V}, f=1\text{MHz}$	44.91		49.82	pF
	C8.0V	$V_R=8.0\text{V}, f=1\text{MHz}$	14.07		18.55	pF
Quality Factor	Q	$V_R=2.0\text{V}, f=100\text{MHz}$	150			
Capacitance Ratio	CR	C2.0V / C8.0V	2.3			
Matching Tolerance	ΔC_m	$V_R=2.0\text{V}, 8.0, f=1\text{MHz} (C \text{ max}-C \text{ min}) / C \text{ min} \times 100$			3.0	%

Note)* : Capacitance value per each diode.

Marking : V2

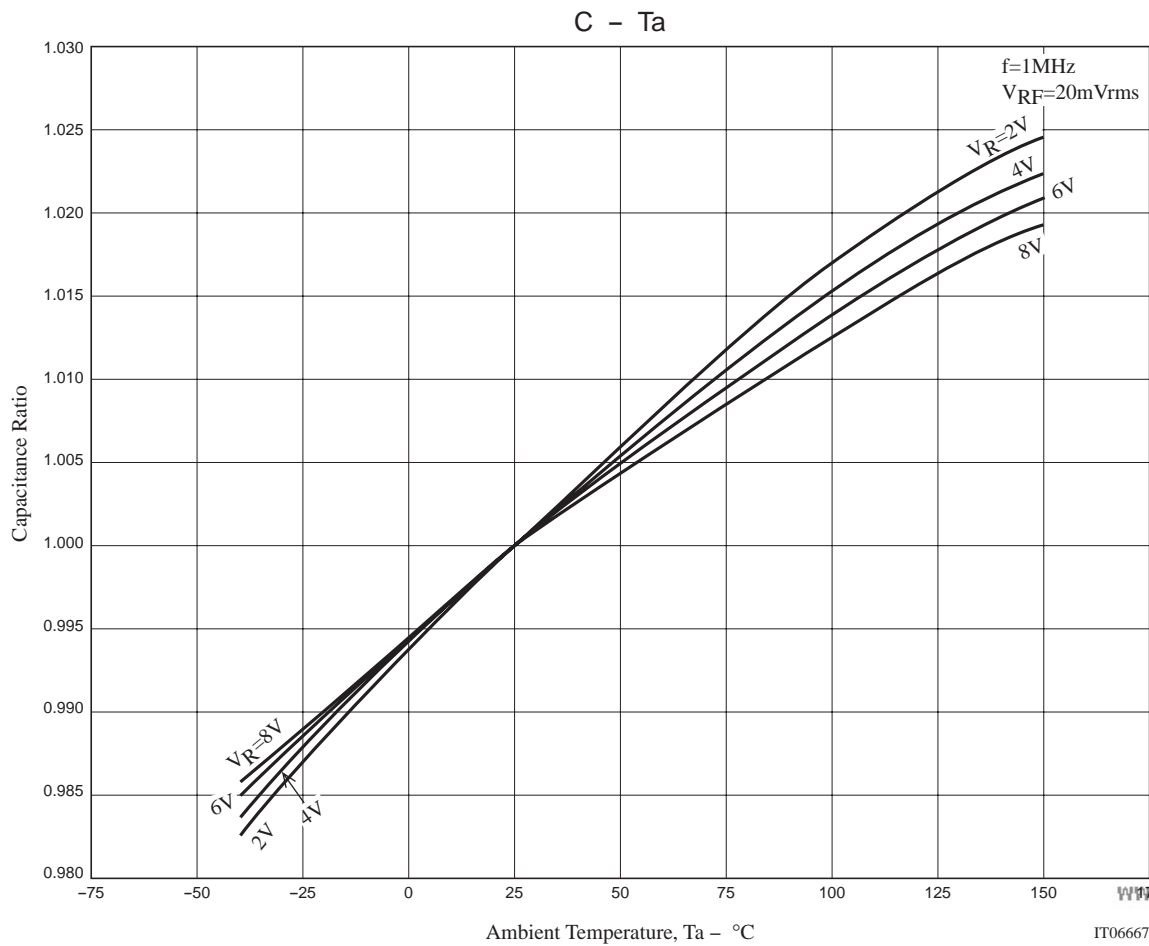
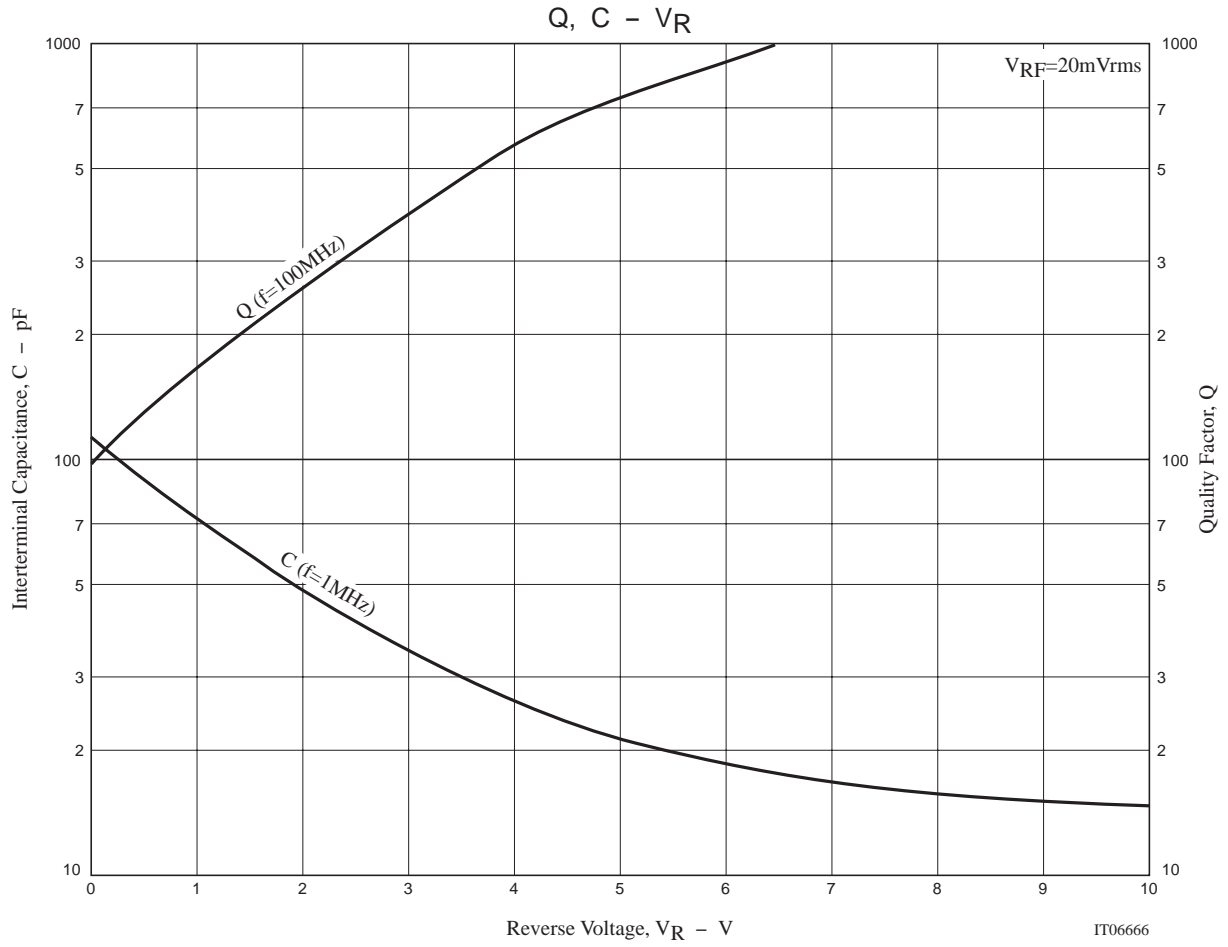
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