查询SVC371供应商

SVC371

°C

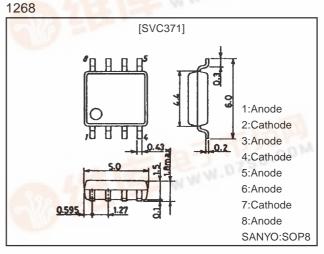
Diffused Junction Type Sillicon Diode Composite Varactor Diode for AM Receiver Low-Voltage Electronic Tuning Applications

Features

- Excellent large-input characteristics because of dualvaractor composite type.
- The number of manufacturing processes can be reduced and automatic mounting is possible because of composite type.
- High capacitance ratio and high quality factor.
- Facilitates tuning circuit configuration because the cathodes of three dual-type elements are separated from each other, resulting in almost no interelement coupling.
- Possible to offer the SVC371 devices in a tape reel packaging.
- · Surface mount type.

Package Dimensions

unit:mm



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		16	V
Junction Temperature	Tj		125	
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Breakdown Voltage	V(BR)R	I _R =10μA	16			V
Reverse Current (One diode)	IR	V _R =20V			100	nA
Interterminal Capacitance (Average)	C _{1V}	V _R =1V, f=1MHz*1	460*		540*	pF
	C _{6V}	V _R =6V, f=1MHz		50		pF
	C _{8V}	V _R =8V, f=1MHz	19		26	pF
Quality Factor	Q	V _R =1V, f=1MHz	200			
Capacitance Ratio	CR	C _{1V} /C _{8V} , f=1MHz	18.5	1-50		1449
Matching Tolerance*2	ΔCm	CRFN-COSC-0.25pF / COSC, V _R =1V, f=1MHz	10.		2.5	%
		V _R =6V, f=1MHz			3.0	%
		V _R =8V, f=1MHz			3.0	%

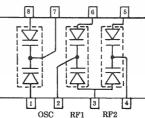
Note)*1:1MHz signal:20mVrms.

Note)*2:Calculate using the average of tow diodes contained in each element of OSC, RF1, RF2.

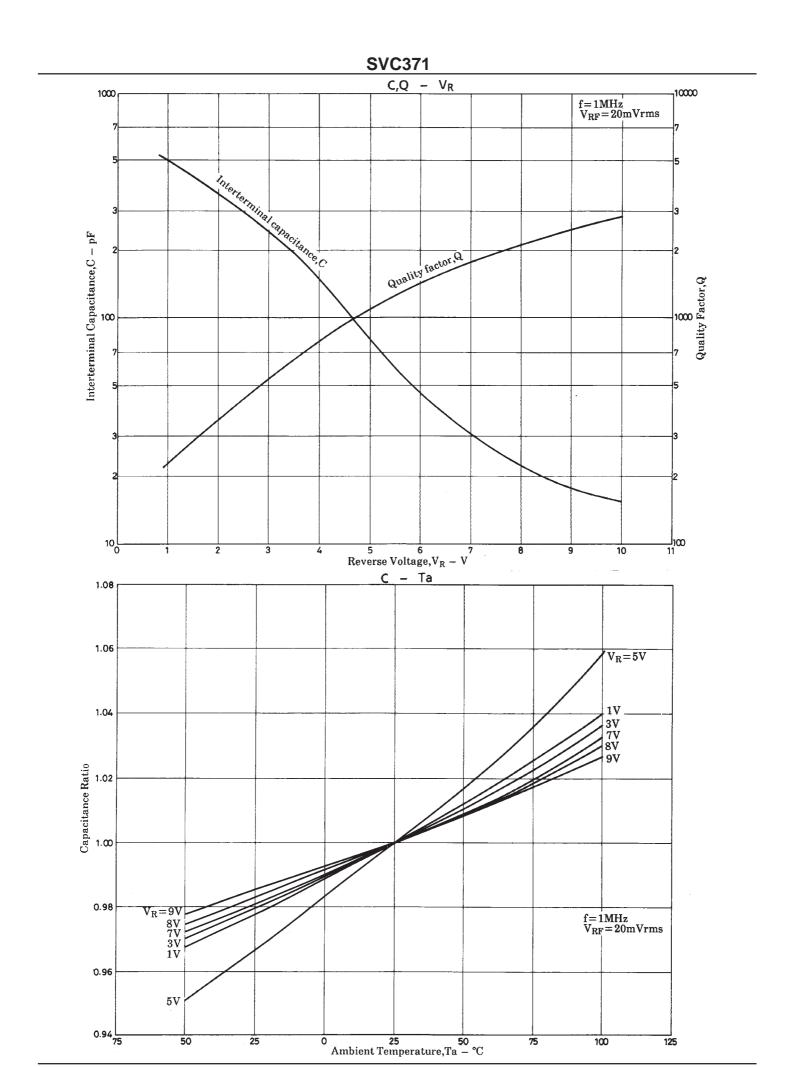
Note)*:The SVC371 is classified by C_{1V} as follows:

Rank	C _{1V} (pF)
R	460.0 to 491.0
S	482.0 to 515.0
Т	505.0 to 540.0





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