

SVD101

X Band VCO, PLO

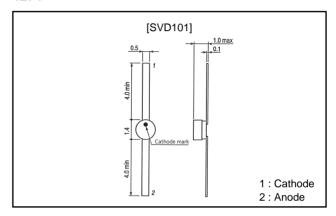
Features

- High Q.
- High capacitance ratio.

Package Dimensions

unit: mm

1274



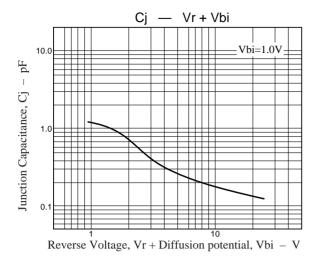
Specifications

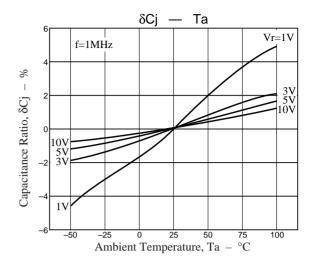
Absolute Maximum Ratings at Ta=25°C

	9			
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V _{rm}		30	V
Average Rectified Current	I _{fm}		30	mA
Allowable Power Dissipation	P _D		200	mW
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-65 to +150	°C
Mounting Temperature	Tm		230/10s	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Onit
Forward Voltage	V _F	I _F =10mA			1.4	V
Reverse Voltage	V _R	I _R =10μA	-27			V
Reverse Current	I _R	V _R =25V			100	nA
Interterminal Capacitance	C _{t0V}	V _R =0V, f=1MHz	1.0	1.3		pF
Capacitance Ratio	C _{j0V} / C _{j25V}	V _R =0V, 25V, f=1MHz	5	8		





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