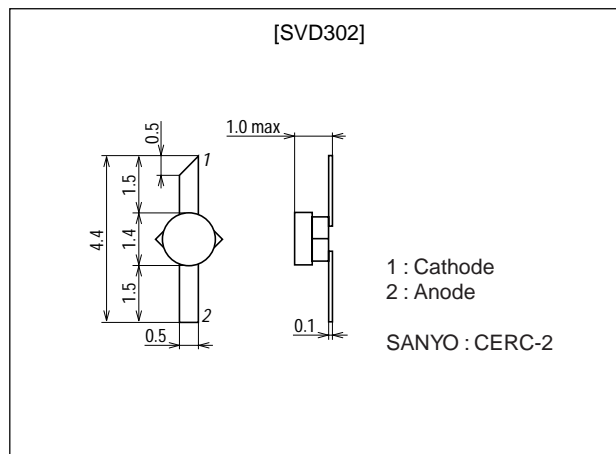


**SVD302****X Band VCO, PLO****Features**

- High Q.
- High capacitance ratio.

**Package Dimensions**unit : mm  
1274A**Specifications****Absolute Maximum Ratings** at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V <sub>rm</sub>		30	V
Peak Forward Current	I <sub>F</sub>		50	mA
Allowable Power Dissipation	P <sub>D</sub>		500	mW
Junction Temperature	T <sub>j</sub>		150	°C
Storage Temperature	T <sub>stg</sub>		-65 to +150	°C
Mounting Temperature	T <sub>m</sub>	10s	230	°C

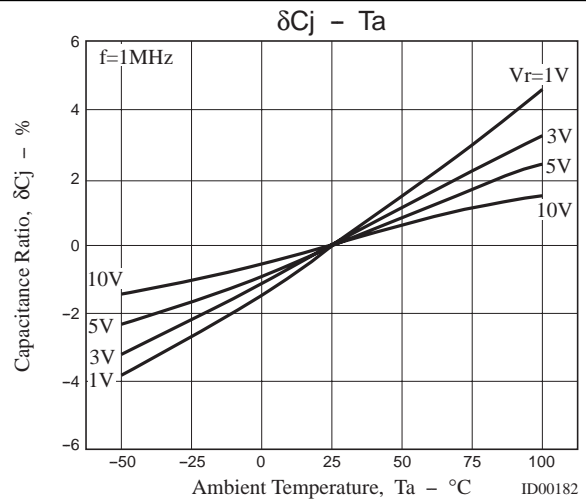
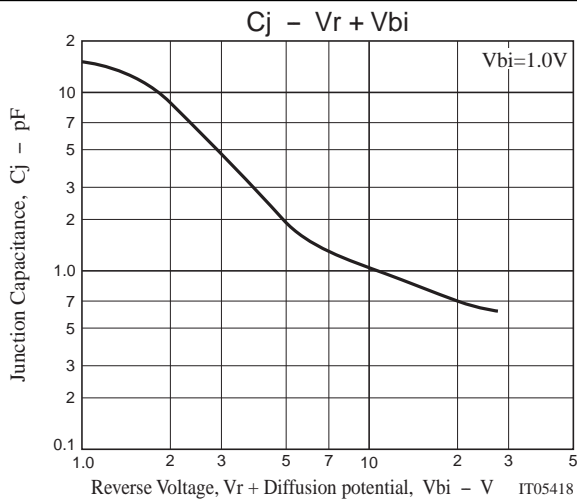
**Electrical Characteristics** at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =10mA			1.4	V
Reverse Voltage	V <sub>R</sub>	I <sub>R</sub> =10μA	27			V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =25V			500	nA
Interterminal Capacitance	C <sub>t0V</sub>	V <sub>R</sub> =0V, f=1MHz	13	15		pF
Capacitance Ratio	C <sub>j0V</sub> / C <sub>j25V</sub>	V <sub>R</sub> =0V, 25V, f=1MHz	17	20		

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