

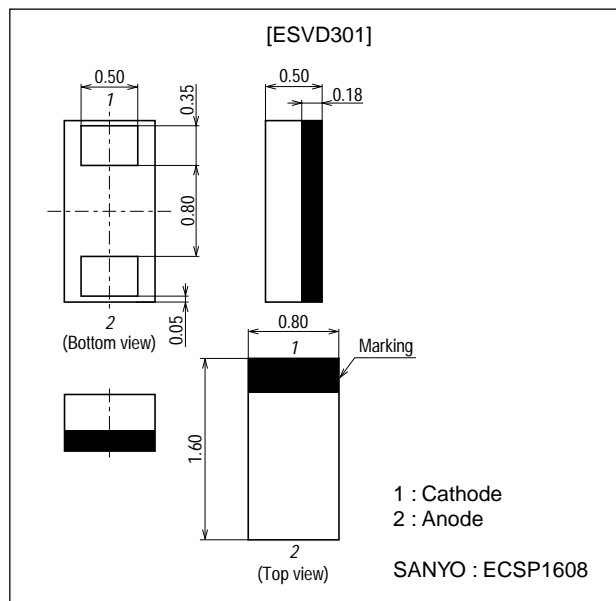
**ESVD301****For X Band VCO****Features**

- High Q.
- High capacitance ratio.

Package Dimensions

unit : mm

1317

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

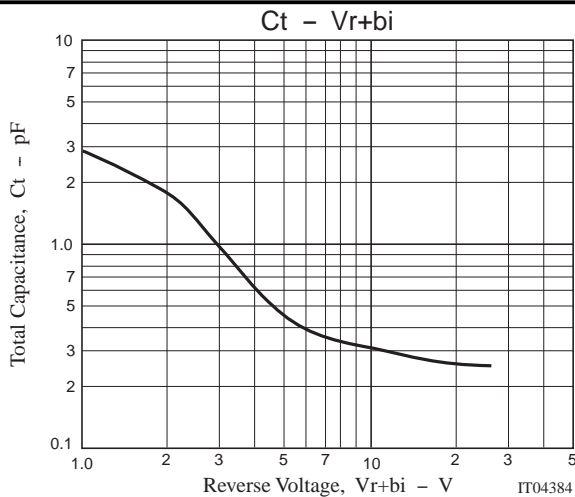
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_R		30	V
Peak Forward Current	I_F		30	mA
Allowable Power Dissipation	P_D		0.2	W
Junction Temperature	T_J		150	$^\circ\text{C}$
Storage Temperature	T_{stg}		-65 to +150	$^\circ\text{C}$
Mounting Temperature	T_m	10s	230	$^\circ\text{C}$

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$V_F=10\text{mA}$			1.4	V
Reverse Voltage	V_R	$I_R=10\mu\text{A}$	27			V
Reverse Current	I_R	$V_R=25\text{V}$			100	nA
Interterminal Capacitance	C_{t0V}	$V_R=0, f=1\text{MHz}$	2.2	2.6		pF
Capacitance Ratio	C_{j0V}/C_{j25V}	$V_R=0/25\text{V}, f=1\text{MHz}$	17	20		

Marking : A

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