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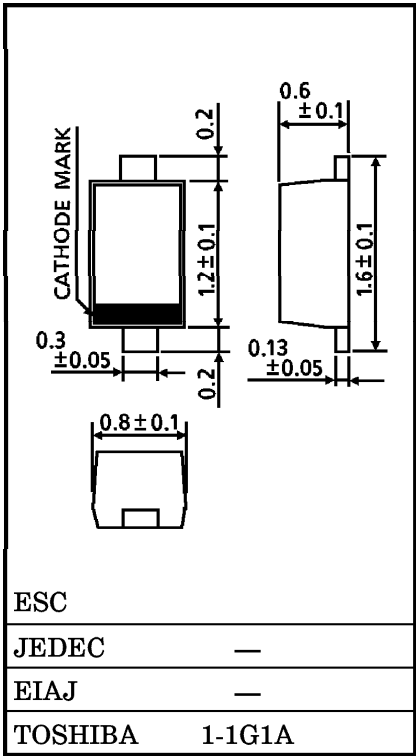
TCXO / VCO

Unit in mm

- High Capacitance Ratio : $C_{1V} / C_{4V} = 4.3$ (Typ.)
- Low Series Resistance : $r_s = 0.4 \Omega$ (Typ.)
- Useful for Small Size Tuner.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	10	V
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	-55~125	°C



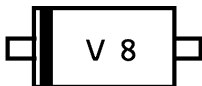
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 0.0014 g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R = 1 \mu A$	10	—	—	V
Reverse Current	I_R	$V_R = 10 V$	—	—	3	nA
Capacitance	C_{1V}	$V_R = 1 V, f = 1 MHz$	44	—	49.5	pF
Capacitance	C_{4V}	$V_R = 4 V, f = 1 MHz$	9.2	—	12	pF
Capacitance Ratio	C_{1V} / C_{4V}	—	4	4.3	—	—
Series Resistance	r_s	$V_R = 4 V, f = 100 MHz$	—	0.4	0.8	Ω

* Signal level when capacitance is measured : $V_{sig} = 500 mV_{rms}$

MARKING



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