

TOSHIBA VARIABLE CAPACITANCE DIODE SILICON EPITAXIAL PLANAR TYPE

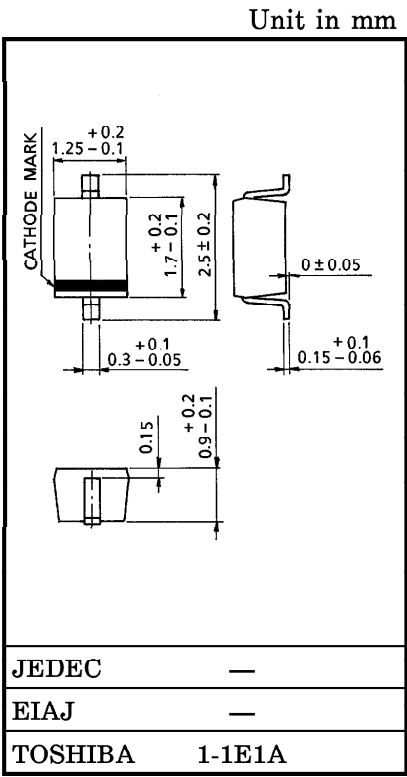
1SV293

VCO FOR UHF BAND RADIO

- Ultra Low Series Resistance : $r_s=0.26\Omega$ (Typ.)
- Useful for Small Size Set

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



Weight : 0.004g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R=1\mu A$	10	—	—	V
Reverse Current	I_R	$V_R=10V$	—	—	3	nA
Capacitance	C_{1V}	$V_R=1V, f=1MHz$	18.0	—	20.0	pF
Capacitance	C_{4V}	$V_R=4V, f=1MHz$	10.1	—	11.6	pF
Capacitance Ratio	C_{1V}/C_{4V}	—	1.55	—	—	—
Series Resistance	r_s	$V_R=1V, f=470MHz$	—	0.26	0.4	Ω

Marking



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