

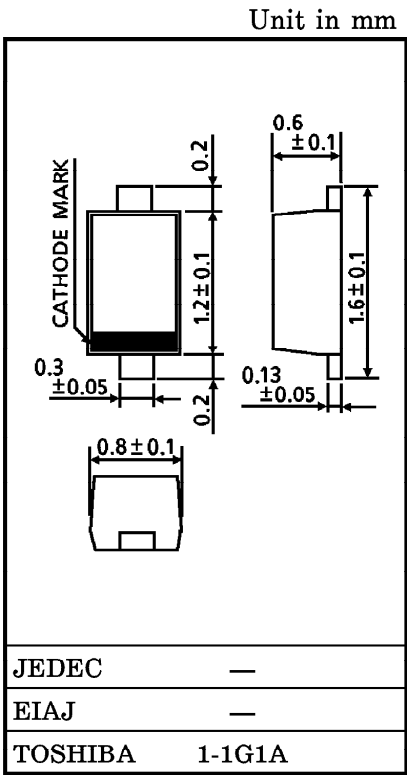
1SV291

UHF SHF TUNING

- High Capacitance Ratio : $C_{2V} / C_{25V} = 7.6$ (TYP.)
- Low Series Resistance : $r_s = 1.9\Omega$ (TYP.)
- Excellent C-V Characteristics, and Small Tracking Error.
- Useful for Small Size Tuner.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	30	V
Peak Reverse Voltage	V_{RM}	35 ($R_L = 10k\Omega$)	V
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	-55~125	°C



Weight : 0.0014g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R = 1\mu A$	30	—	—	V
Reverse Current	I_R	$V_R = 28V$	—	—	10	nA
Capacitance	C_{2V}	$V_R = 2V, f = 1MHz$	4.2	—	5.7	pF
Capacitance	C_{25V}	$V_R = 25V, f = 1MHz$	0.53	—	0.68	pF
Capacitance Ratio	C_{2V} / C_{25V}	—	7.3	—	—	—
Series Resistance	r_s	$V_R = 1V, f = 470MHz$	—	1.9	2.3	Ω

Note 1 : Available in matched group for capacitance to 6%.

$$\frac{C(\text{MAX.}) - C(\text{MIN.})}{C(\text{MIN.})} \leq 0.06$$

($V_R = 2 \sim 25V$)

MARKING



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