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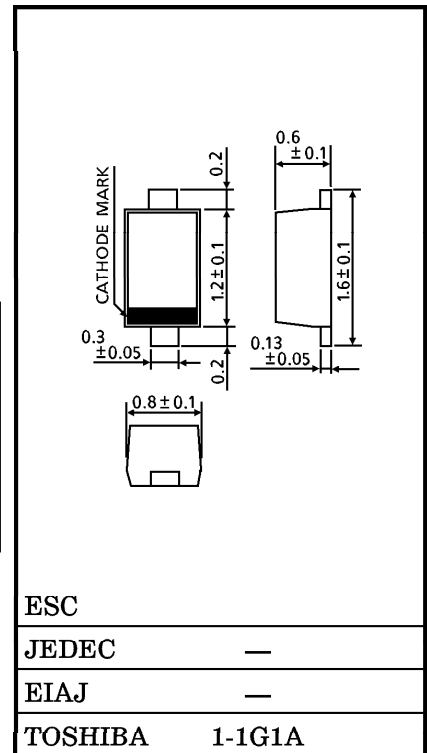
CATV TUNING

- High Capacitance Ratio : $C_{2V} / C_{25V} = 17.5$ (Typ.)
- Low Series Resistance : $r_s = 1.05 \Omega$ (Typ.)
- Useful for Small Size Tuner

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATIN	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

Unit in mm



MARKING



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}	$V_R = 2V, f = 1MHz$	42	47	51	pF
Capacitance	C_{25V}	$V_R = 25V, f = 1MHz$	2.1	2.6	3.1	pF
Capacitance Ratio	C_{2V} / C_{25V}	—	17	17.5	—	—
Series Resistance	r_s	$V_R = 5V, f = 470MHz$	—	1.05	1.25	Ω

(Note) : Available in matched group for capacitance to 2.5%.

$$\frac{C(\text{Max.}) - C(\text{Min.})}{C(\text{Min.})} \leq 0.025$$

$$(V_R = 2 \sim 25V)$$

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