

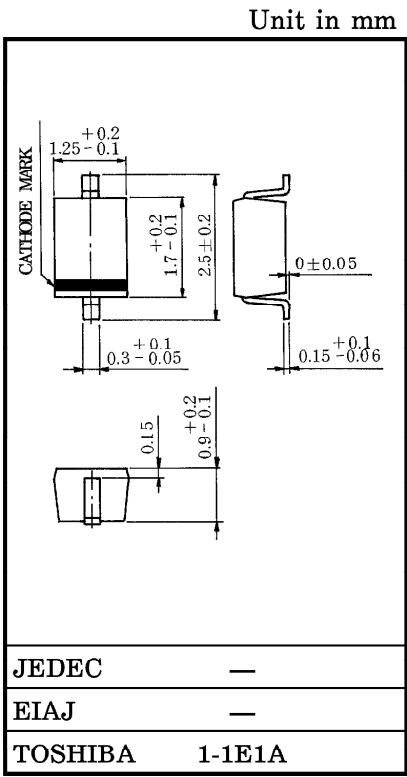
1SV269

CATV TUNING.

- High Capacitance Ratio :  $C_{2V} / C_{25V} = 11.5$  (Typ.)
- Low Series Resistance :  $r_s = 0.55\Omega$  (Typ.)
- Excellent C-V Characteristics, and Small Tracking Error.
- Small Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	34	V
Peak Reverse Voltage	$V_{RM}$	36 ( $R_L = 10k\Omega$ )	V
Junction Temperature	$T_j$	125	°C
Storage Temperature Range	$T_{stg}$	-55~125	°C



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_R$	$I_R = 1\mu A$	34	—	—	V
Reverse Current	$I_R$	$V_R = 32V$	—	—	10	nA
Capacitance	$C_{2V}$	$V_R = 2V, f = 1MHz$	29	31.5	34	pF
Capacitance	$C_{25V}$	$V_R = 25V, f = 1MHz$	2.5	2.75	2.9	pF
Capacitance Ratio	$C_{2V} / C_{25V}$	—	11.0	11.5	—	—
Capacitance Ratio	$C_{25V} / C_{28V}$	—	1.03	1.05	—	—
Series Resistance	$r_s$	$V_R = 5V, f = 470MHz$	—	0.55	0.7	$\Omega$

Note 1 : Available in matched group for capacitance to 2.0%.

$$\frac{C(\text{Max.}) - C(\text{Min.})}{C(\text{Min.})} \leq 0.02 \quad (V_R = 2 \sim 25V)$$

Marking



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