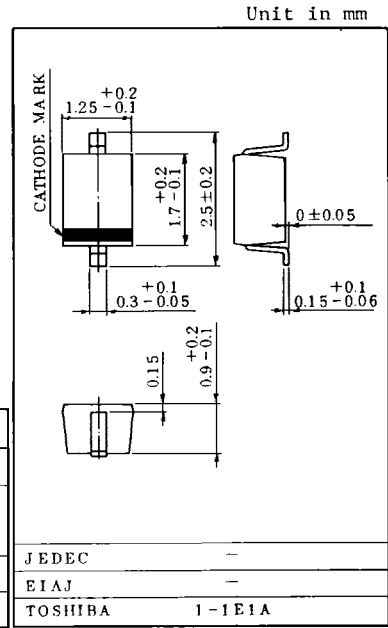


CATC TUNING.

- . High Capacitance Ratio : C2V/C25V=10.5(Typ.)
- . Low Series Resistance :  $r_s=0.6\Omega$ (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 <sub>R</sub>	30	V
Peak Reverse Voltage	V <sub>RM</sub>	35 (R <sub>L</sub> =10kΩ)	V
Junction Temperature	T <sub>j</sub>	125	°C
Storage Temperature Range	T <sub>stg</sub>	-55~125	°C



Weight : 0.004g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

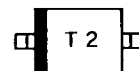
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V <sub>R</sub>	I <sub>R</sub> =1μA	30	-	-	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =28V	-	-	10	nA
Capacitance	C2V	V <sub>R</sub> =2V, f=1MHz	26	-	32	pF
Capacitance	C25V	V <sub>R</sub> =25V, f=1MHz	2.5	-	3.2	pF
Capacitance Ratio	C2V/C25V	-	9.5	10.5	-	-
Series Resistance	r <sub>s</sub>	V <sub>R</sub> =5V, f=470MHz	-	0.6	0.8	Ω

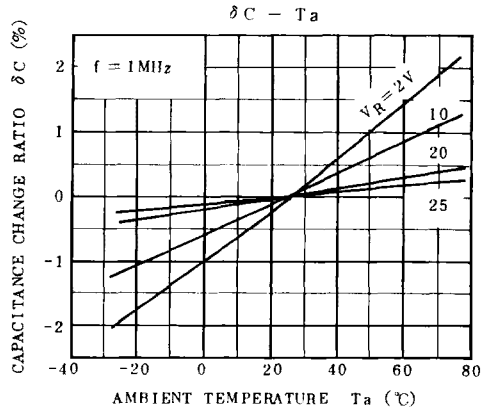
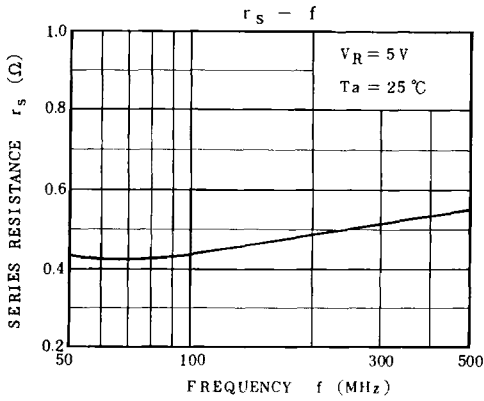
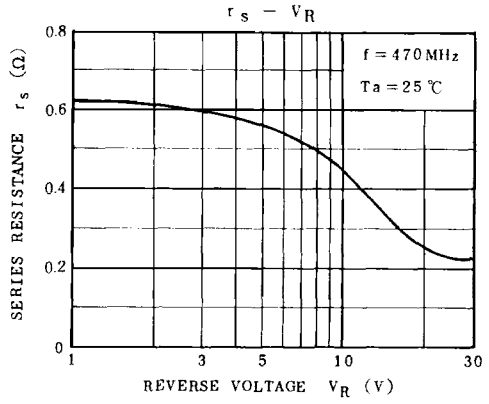
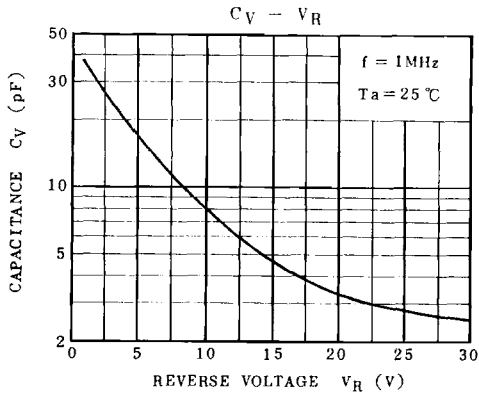
Note 1 : Available in matched group for capacitance to 2.5%.

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

(V<sub>R</sub>=2~25V)

Marking





NOTE :  $\delta C = \frac{C(T_a) - C(25)}{C(25)} \times 100$