

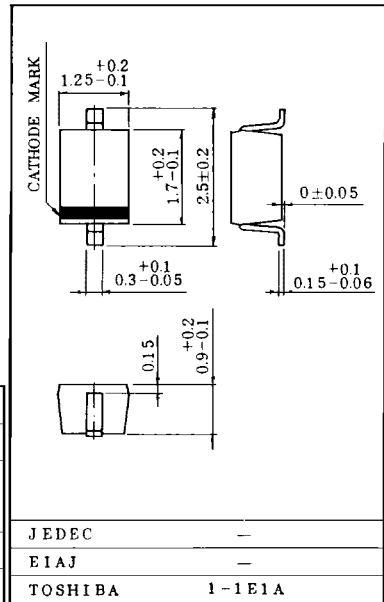
1SV230

SILICON EPITAXIAL PLANAR TYPE

CATV CONVERTER 1st OSC TUNING.

- High Capacitance Ratio : $C2V/C20V=8$ (Typ.)
- Low Series Resistance : $r_s=0.73\Omega$ (Typ.)
- Useful for Small Size Tuner.

Unit in mm



Weight : 0.004g

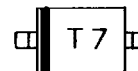
MAXIMUM RATINGS (Ta=25°C)

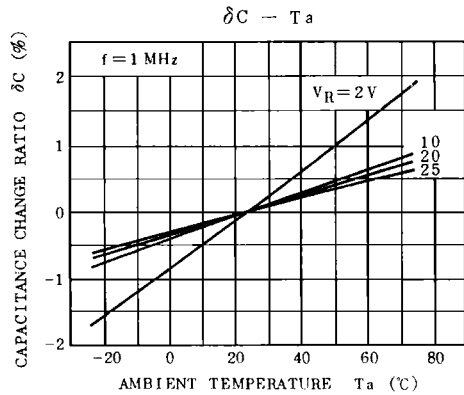
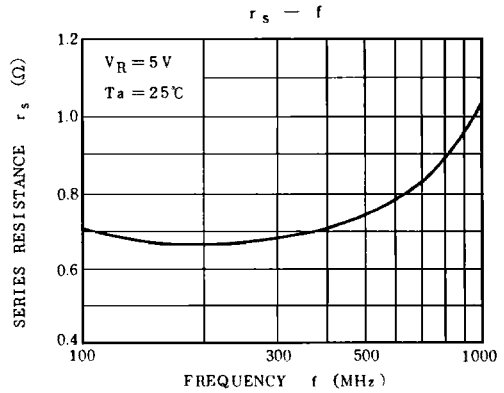
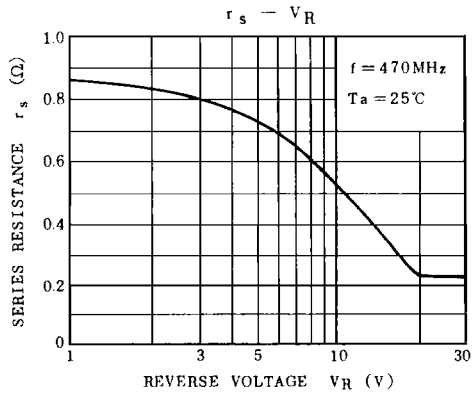
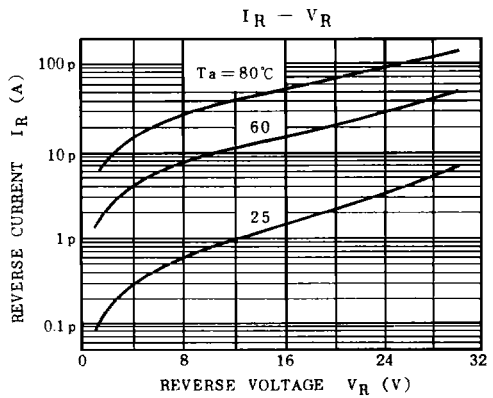
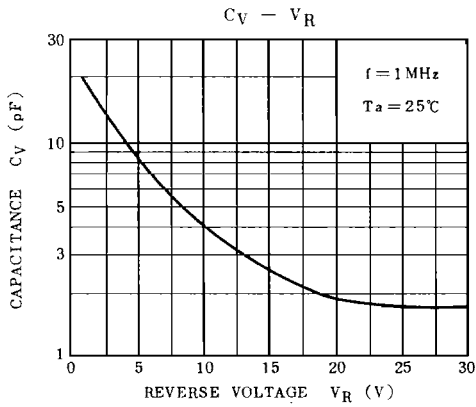
CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	30	V
Peak Reverse Voltage	V_{RM}	35 ($R_L=10k\Omega$)	V
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	-55~125	°C

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	C2V	$V_R=2V, f=1MHz$	13.9	15	16.1	pF
Capacitance	C20V	$V_R=20V, f=1MHz$	1.7	1.9	2.1	pF
Capacitance Ratio	C2V/C20V	-	7.1	8	-	-
Series Resistance	r_s	$V_R=5V, f=470MHz$	-	0.73	0.9	Ω

Marking





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