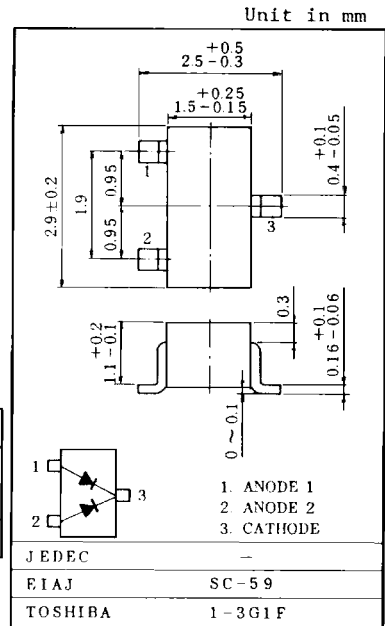


ELECTRONIC TUNING APPLICATIONS OF FM RECEIVERS.

- Low r_s : $r_s=0.3\Omega$ (Typ.)
- Small Package

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	15	V
Junction Temperature	T_j	125	°C
Storage Temperature	T_{stg}	-55~125	°C



Weight : 0.13g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITON	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R=10\mu A$	15	-	-	V
Reverse Current	I_R	$V_R=15V$	-	-	10	nA
Capacitance	C_{3V}	$V_R=3V, f=1MHz$ (Note)	28.5	30.5	32.5	pF
Capacitance	C_{8V}	$V_R=8V, f=1MHz$ (Note)	11.7	12.7	13.7	pF
Capacitance Ratio	C_{3V}/C_{8V}	- (Note)	2.1	-	2.6	-
Series Resistance	r_s	$V_R=3V, f=100MHz$ (Note)	-	0.3	0.5	Ω

(Note) : Characteristics between Anode 1 and Anode 2

Marking

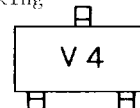


Table 1 : ADDRESS CLASSIFICATION OF CAPACITANCE

TEST CONDITION : f=1MHz, Ta=25°C

No.	C2V	C3V	C6V	C8V
1	34.70 ~ 35.74	28.60 ~ 29.45	16.80 ~ 17.30	11.72 ~ 12.07
2	35.56 ~ 36.62	29.31 ~ 30.18	17.21 ~ 17.72	12.01 ~ 12.37
3	36.44 ~ 37.53	30.03 ~ 30.93	17.63 ~ 18.15	12.31 ~ 12.67
4	37.35 ~ 38.47	30.77 ~ 31.69	18.06 ~ 18.60	12.61 ~ 12.98
5	38.27 ~ 39.41	31.53 ~ 32.47	18.50 ~ 19.05	12.92 ~ 13.30
6			18.95 ~ 19.51	13.23 ~ 13.62

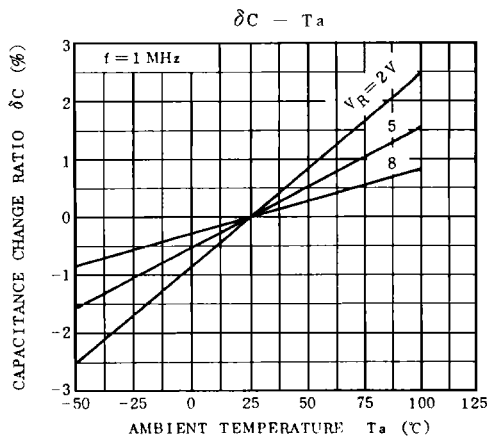
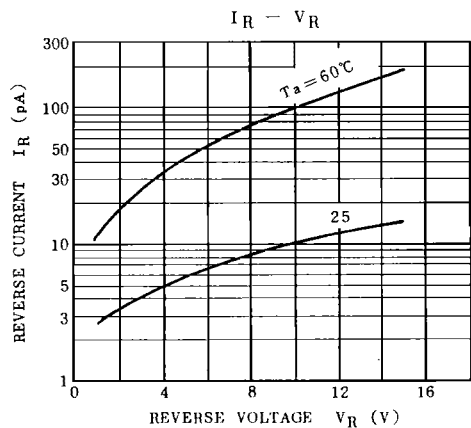
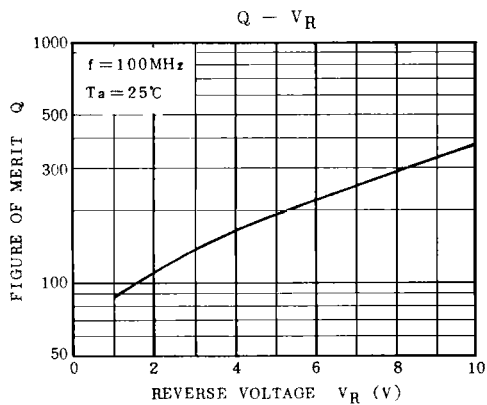
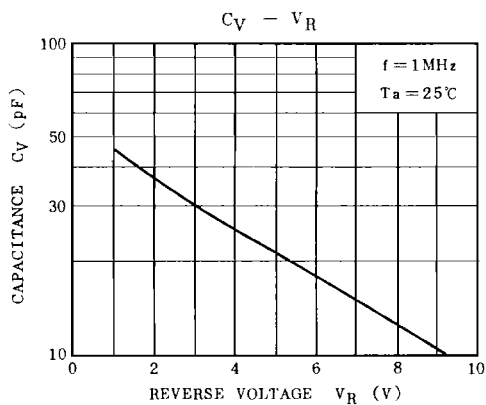
(1) Units are compounded in one package and are matched to 3%.

$$\frac{C(\text{Max.}) - C(\text{Min.})}{C(\text{Min.})} \leq 0.03 \quad (V_R=2\sim 8V)$$

and capacitance is classified as Table 1.

(2) C2V, C3V, C6V, C8V are A1-A2 capacitance.

(3) The tolerance of address is ± 1 address.



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