

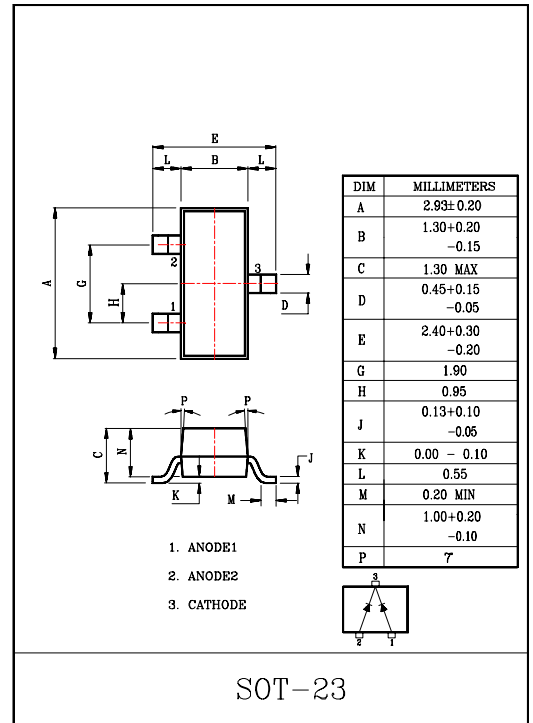
FM RADIO BAND TUNING APPLICATION.

### FEATURES

- High Capacitance Ratio :  $C_{2V}/C_{9V}=3.7\sim 5.0$
- Low  $r_s$  :  $r_s=0.5\Omega$  (Max.).
- Small Package.

### MAXIMUM RATINGS (Ta=25°C)

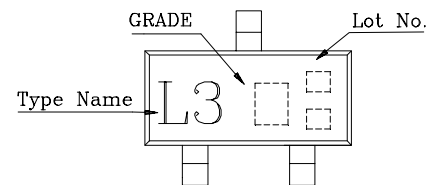
CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	18	V
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55~150	°C



### CLASSIFICATION OF CAPACITANCE GRADE

GRADE	CAPACITANCE ( $C_{2V}$ )	UNIT
A	69.14~71.23	pF
B	71.09~73.24	
C	73.09~75.31	
D	75.15~77.43	

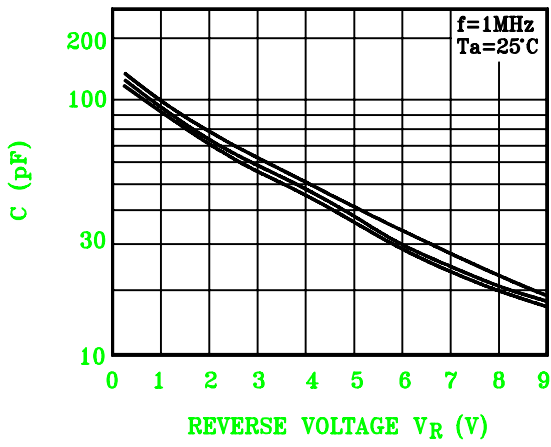
### Marking



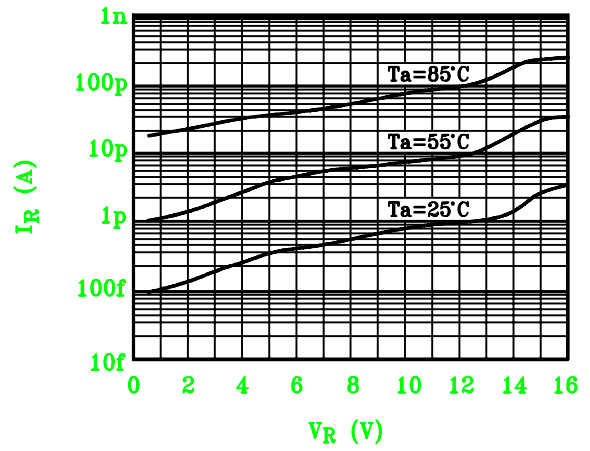
### ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_R$	$I_R=10\mu A$	16	-	-	V
Reverse Current	$I_R$	$V_R=10V$	-	-	100	nA
Capacitance	$C_{2V}$	$V_R=2V, f=1MHz$	69.14	-	77.43	pF
	$C_{4V}$	$V_R=4V, f=1MHz$	43.09	-	56.24	
	$C_{6V}$	$V_R=6V, f=1MHz$	25.05	-	34.57	
	$C_{9V}$	$V_R=9V, f=1MHz$	15.44	-	20.1	
Capacitance Ratio	K	$C_{2V}/C_{9V}, f=1MHz$	3.7	-	5.0	
Series Resistance	$r_s$	$V_R=2V, f=70MHz$	-	-	0.5	$\Omega$

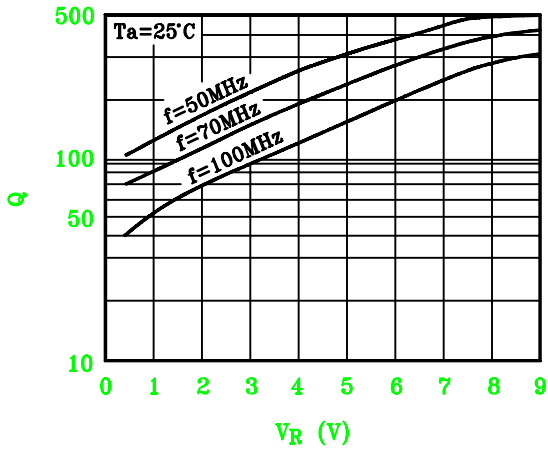
$C - V_R$



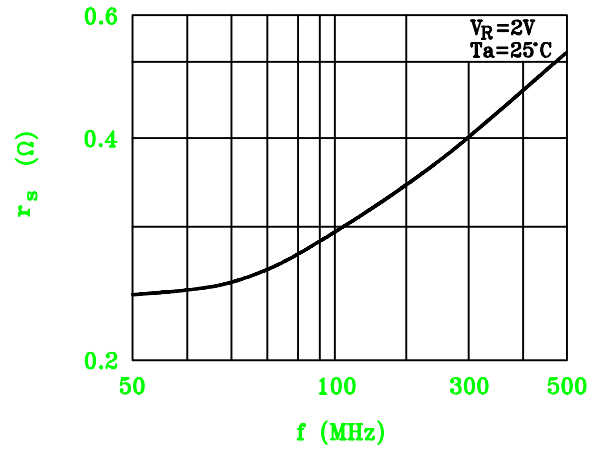
$I_R - V_R$



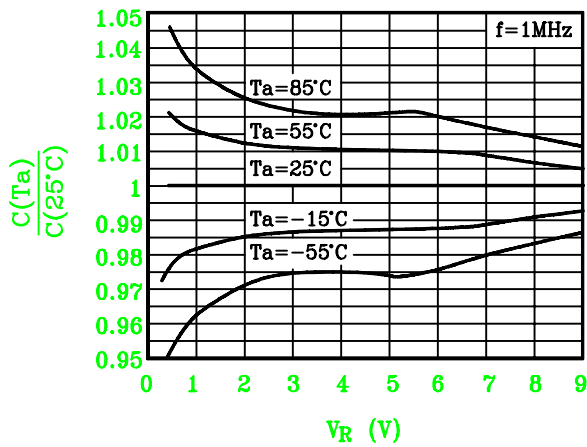
$Q - V_R$



$f - r_s$



$V_R - \frac{C(T_a)}{C(25^\circ\text{C})}$



$V_R - (\text{ppm}/^\circ\text{C})$

