

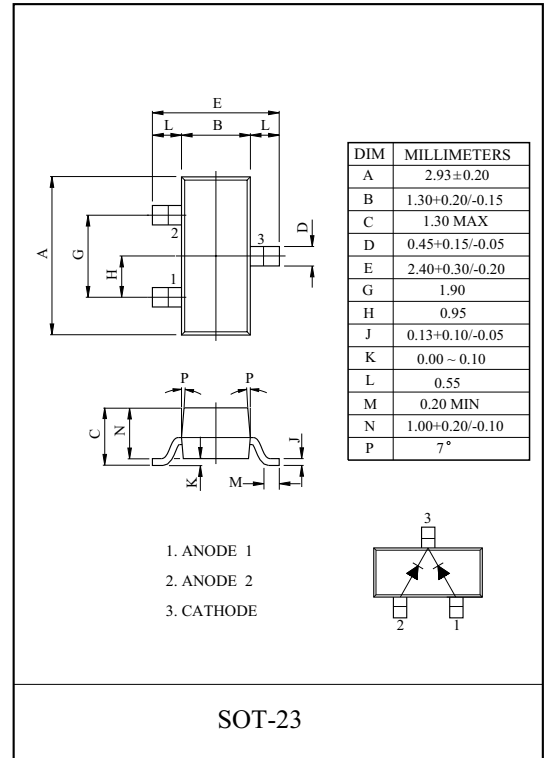
FM RADIO BAND TUNING APPLICATION.

### FEATURES

- High Capacitance Ratio :  $C_{1V}/C_{5V}=5.0(\text{Min.})$
- Excellent C-V Characteristics.
- Variations of Capacitance Values is Little.
- Small Package.

### MAXIMUM RATING (Ta=25 °C)

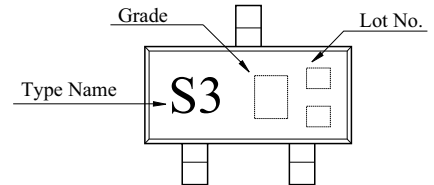
CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	16	V
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55 ~ 150	°C



### CLASSIFICATION OF CAPACITANCE RATIO GRADE

GRADE	CAPACITANCE ( $C_{1V}$ )	UNIT
A	65.80 ~ 69.25	pF
B	68.27 ~ 71.72	
C	70.74 ~ 74.20	

### 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	$I_R$	$V_R=10V$	-	-	50	nA
Capacitance	$C_{1V}$	$V_R=1V, f=1MHz$	65.8	70	74.2	pF
	$C_{2V}$	$V_R=2V, f=1MHz$	-	43	-	
	$C_{3V}$	$V_R=3V, f=1MHz$	-	24	-	
	$C_{4.5V}$	$V_R=4.5V, f=1MHz$	12.0	13.5	14.8	
	$C_{5V}$	$V_R=5V, f=1MHz$	-	12.5	-	
Capacitance Ratio	K	$C_{1V}/C_{5V}, f=1MHz$	5.0	-	-	
Series Resistance	$r_S$	$V_R=1.5V, f=100MHz$	-	0.43	0.5	$\Omega$

