

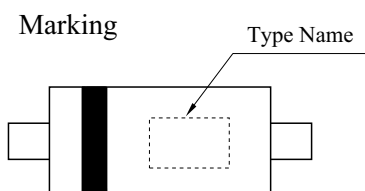
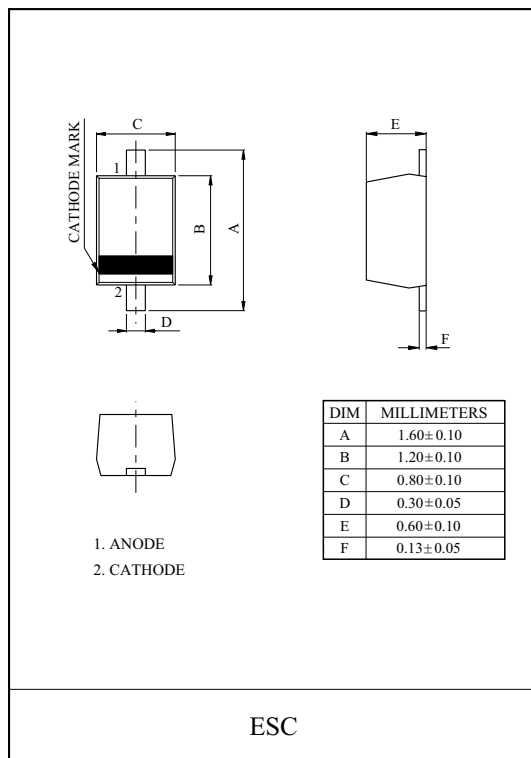
FM RADIO BAND TUNING APPLICATION.

### FEATURES

- High Capacitance Ratio :  $C_{0.2V}/C_{2.3V} = 2.5(\text{Min.})$
- Low Series Resistance :  $r_s = 0.6 \Omega (\text{Max.})$
- Small Package : ESC.

### MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	6	V
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55 ~ 150	°C



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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	$I_{R1}$	$V_R=6V$	-	-	10	nA
	$I_{R2}$	$V_R=6V, T_j=85^\circ C$	-	-	100	
Capacitance	$C_{0.2V}$	$V_R=0.2V, f=1MHz$	28.2	-	33.5	pF
	$C_{2.3V}$	$V_R=2.3V, f=1MHz$	7.2	-	11.2	
Capacitance Ratio	$C_{0.2V}/C_{2.3V}$	-	2.5	-	-	
Series Resistance	$r_s$	$C_T=30pF, f=100MHz$	-	0.35	0.6	$\Omega$

### CLASSIFICATION OF CAPACITANCE RATIO GRADE

GRADE	CAPACITANCE (C2.3V)	UNIT	MARK
(NONE)	7.2~11.2	pF	FA
A	7.2~8.7		F1
B	8.3~9.7		F2
C	9.3~10.7		F3
D	10.3~11.2		F4

# KDV202E

