

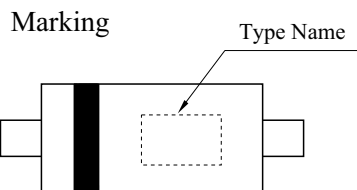
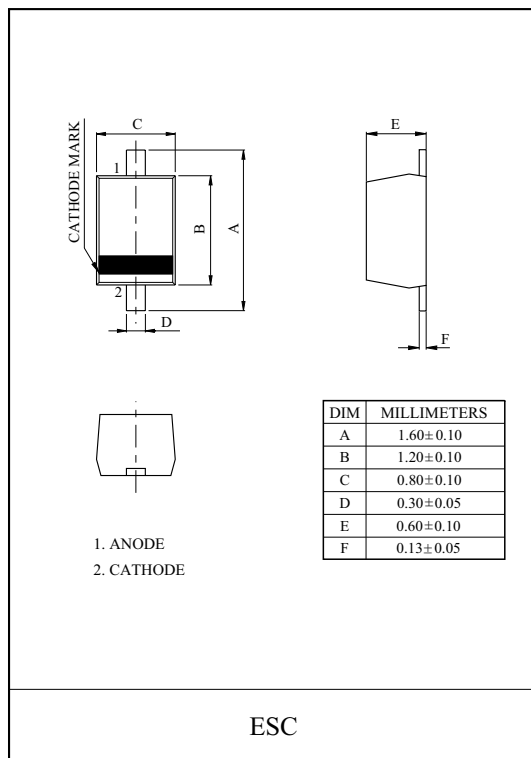
FM RADIO BAND TUNING APPLICATION.

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	Ω

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

