

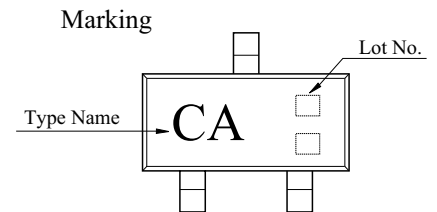
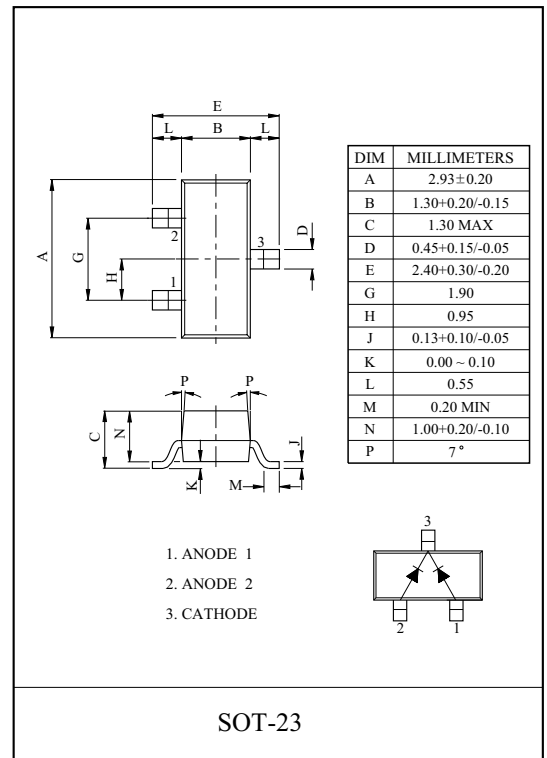
FM RADIO BAND TUNING APPLICATION.

FEATURES

- Applicable to FM wide band due to high capacitance ratio.
- 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



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 (Note1)	$C_{3.0V}$	$V_R=3.0V, f=1MHz$	36.92	-	43.03	pF
	$C_{4.5V}$	$V_R=4.5V, f=1MHz$	27.45	-	32.80	
	$C_{6.0V}$	$V_R=6.0V, f=1MHz$	19.91	-	25.61	
	$C_{8.0V}$	$V_R=8.0V, f=1MHz$	12.77	-	16.84	
Figure of merit	Q	$V_R=3.0V, f=100MHz$	60	-	-	
Capacitance Ratio	$C_{3.0V}/C_{8.0V}$	-	2.50	-	3.00	

Note 1) Capacitance value of one diode.

KDV1480

