

FM RADIO BAND TUNING APPLICATION.

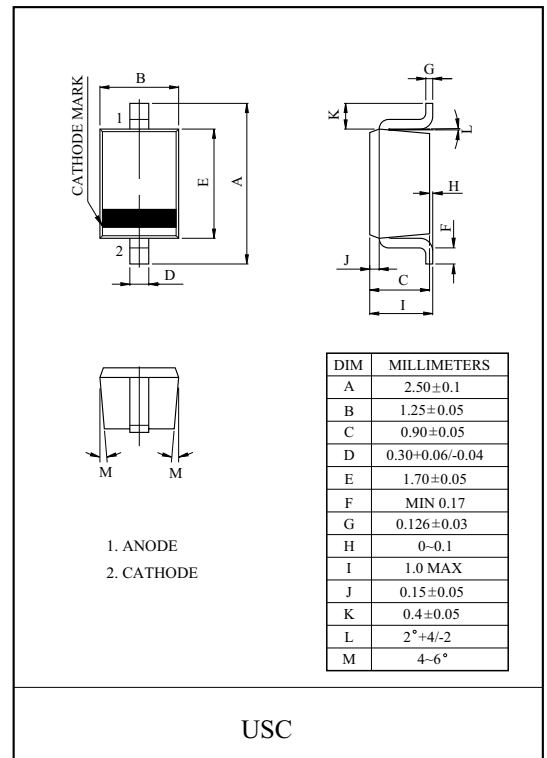
FEATURES

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

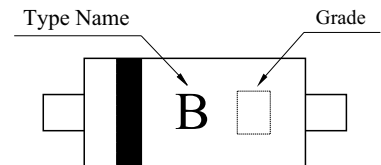
MAXIMUM RATING (Ta=25 °C)

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

GRADE	CAPACITANCE(C_{1V})	UNIT
A	30.16~33.63	pF
B	33.30~37.13	
C	36.77~40.99	



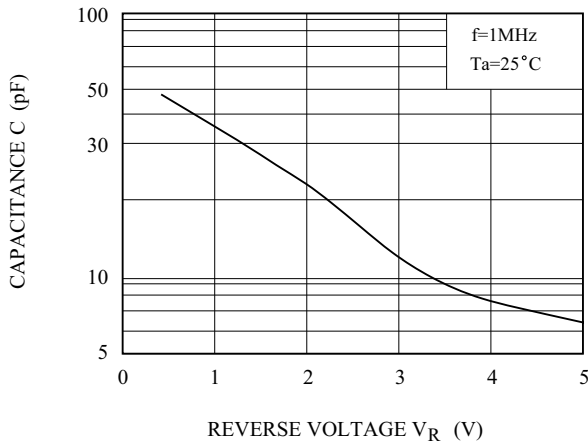
Marking



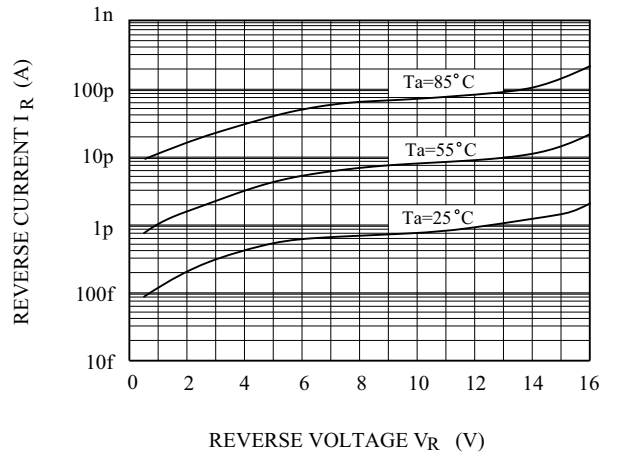
ELECTRICAL CHARACTERISTICS (Ta=25 °C)

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}	$V_R=1V, f=1MHz$	30.16	35.60	40.99	pF
	$C_{4.5V}$	$V_R=4.5V, f=1MHz$	6.2	7.7	9.2	
Capacitance Ratio	K	$C_{1V}/C_{5V}, f=1MHz$	5.0	-	-	
Series Resistance	r_s	$V_R=1.5V, f=100MHz$	-	0.8	1.0	Ω

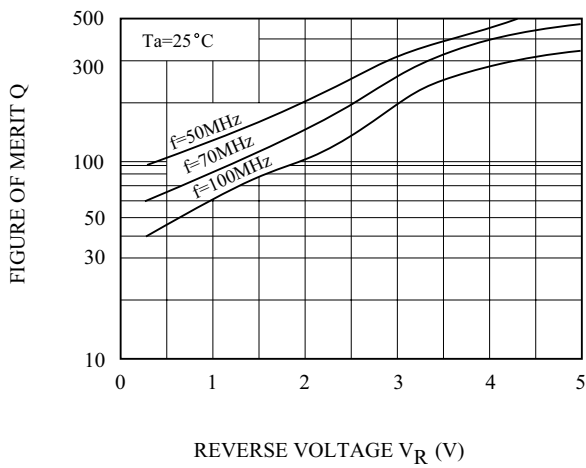
$C - V_R$



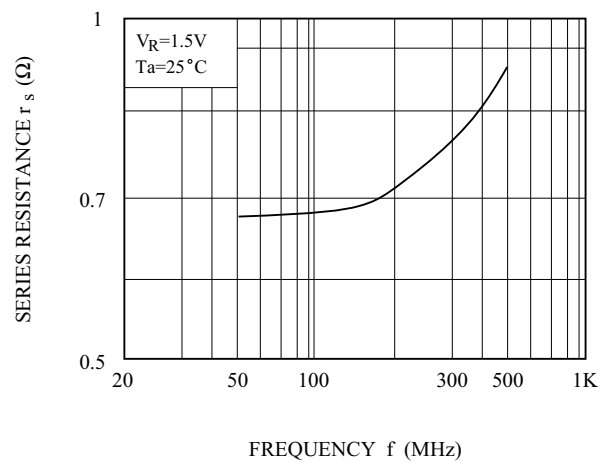
$I_R - V_R$



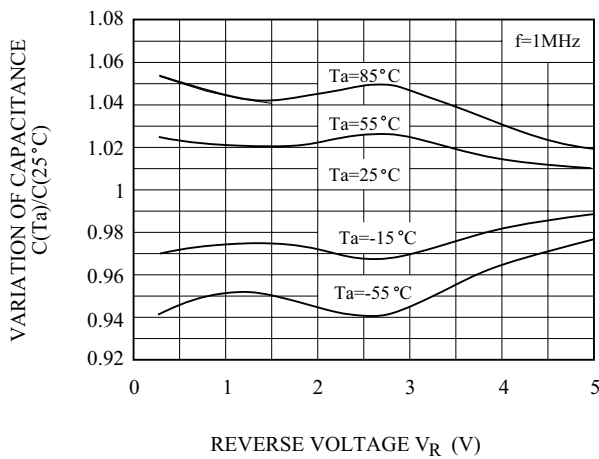
$Q_R - V$



$r_s - f$



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



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

