

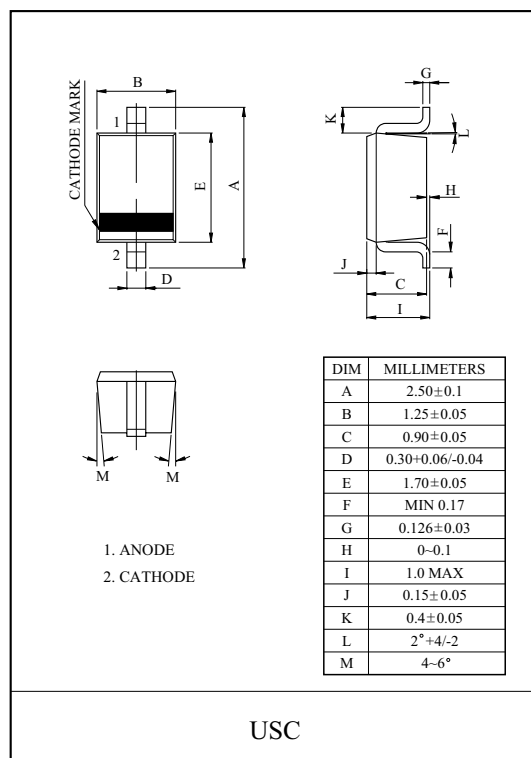
VCO FOR UHF Band Radio.

FEATURES

- High Capacitance Ratio : $C_{1V}/C_{4V}=2.1(\text{Typ.})$
- Low Series Resistance : $r_s=0.28\ \Omega(\text{Typ.})$
- Useful for Small Size Tuner.

MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	10	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	$I_R=1\ \mu\text{A}$	10	-	-	V
Reverse Current	I_R	$V_R=10\text{V}$	-	-	3	nA
Capacitance	C_{1V}	$V_R=1\text{V}, f=1\text{MHz}$	9.7	-	11.1	pF
	C_{4V}	$V_R=4\text{V}, f=1\text{MHz}$	4.45	-	5.45	
Capacitance Ratio	K	$C_{1V}/C_{4V}, f=1\text{MHz}$	1.8	2.1	-	
Series Resistance	r_s	$V_R=1\text{V}, f=470\text{MHz}$	-	0.28	0.4	Ω

