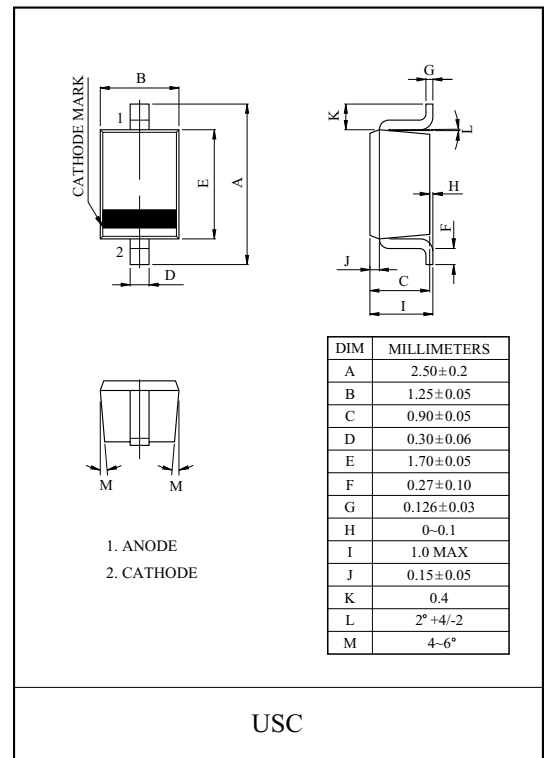


TV VHF,UHF TUNER AFC VCO FOR UHF BAND RADIO.

MAXIMUM RATING (Ta=25)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	20	V
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

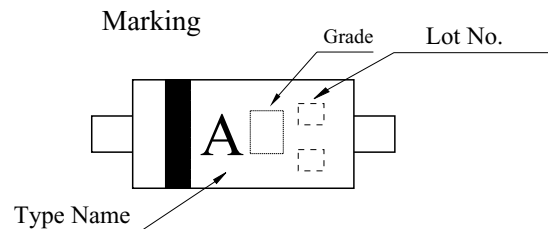


ELECTRICAL CHARACTERISTICS (Ta=25)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R=1 \mu A$	20	-	-	V
Reverse Current	I_R	$V_R=20V$	-	-	10	nA
Capacitance	C_{2V}	$V_R=2V, f=1MHz$	13.90	-	16.10	pF
Capacitance	C_{10V}	$V_R=10V, f=1MHz$	4.5	-	6.0	pF
Capacitance Ratio	$C_{2V/20V}$		2.5	-	-	
Series Resistance	r_S	$V_R=5V, f=470MHz$	-	-	0.6	

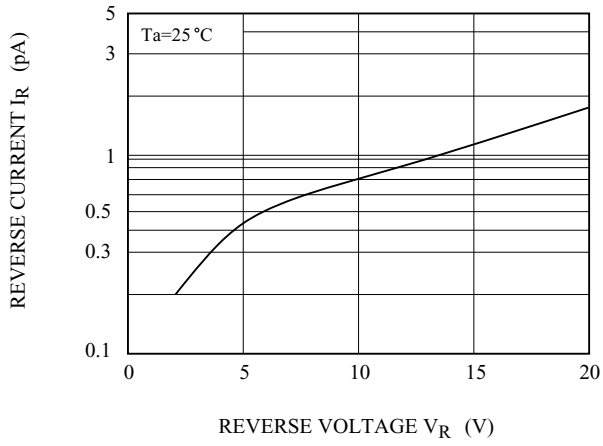
CLASSIFICATION OF CAPACITANCE GRADE

GRADE	CAPACITANCE(C_{2V})	UNIT
A	13.90 15.00	pF
B	14.50 15.40	
C	14.90 15.90	
D	15.40 16.10	



KDV154

$I_R - V_R$



$C - V_R$

