

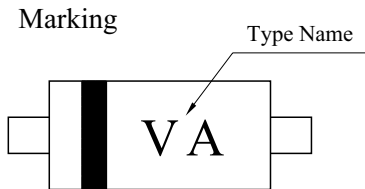
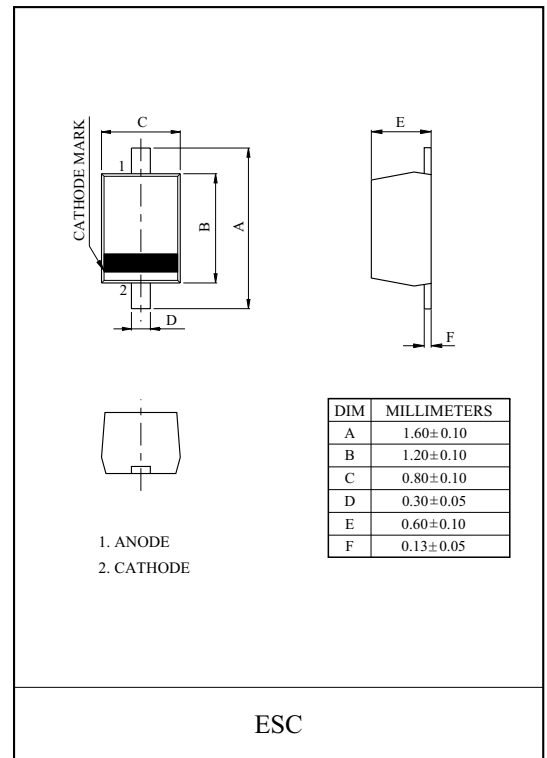
VCO FOR UHF/VHF BAND.

FEATURES

- High Capacitance Ratio : $C_{1V}/C_{4V} = 2.2(\text{Min.})$
- 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	15	V
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 ~ 150	°C

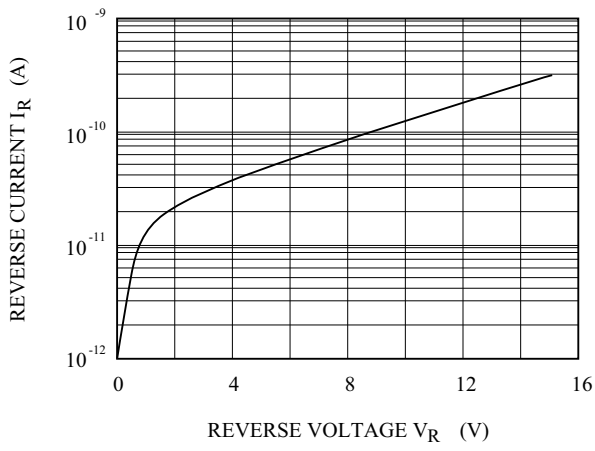


ELECTRICAL CHARACTERISTICS (Ta=25 °C)

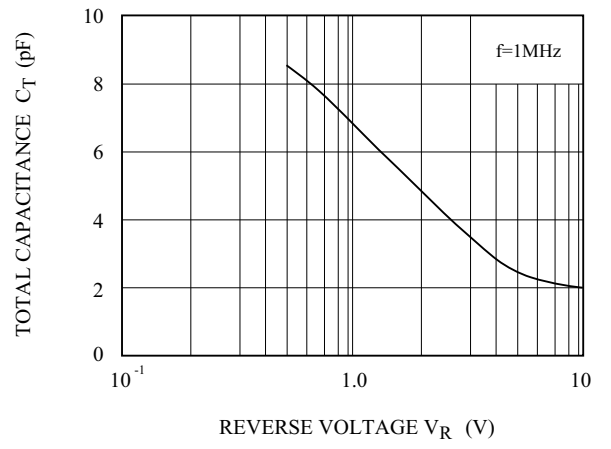
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	I_{R1}	$V_R=15V$	-	-	10	nA
	I_{R2}	$V_R=15V, T_a=60^\circ C$	-	-	100	
Capacitance	C_{1V}	$V_R=1V, f=1MHz$	6.40	-	7.20	pF
	C_{4V}	$V_R=4V, f=1MHz$	2.55	-	2.95	
Capacitance Ratio	C_{1V}/C_{4V}	-	2.2	-	-	
Series Resistance	r_s	$V_R=1V, f=470MHz$	-	-	0.6	Ω

KDV355E

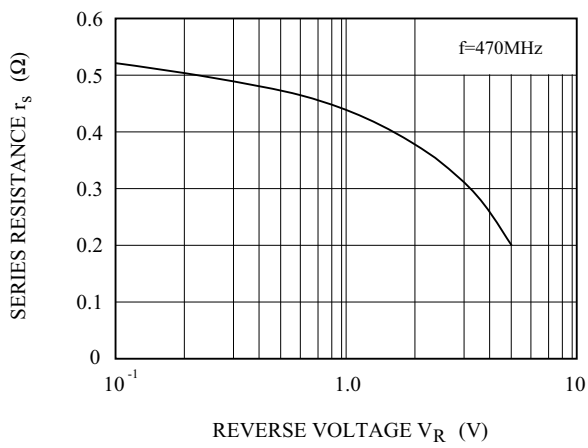
$I_R - V_R$



$C_T - V_R$



$r_s - V_R$



$\Delta(\text{LOG } C_T) / \Delta(\text{LOG } V_R) - V_R$

