

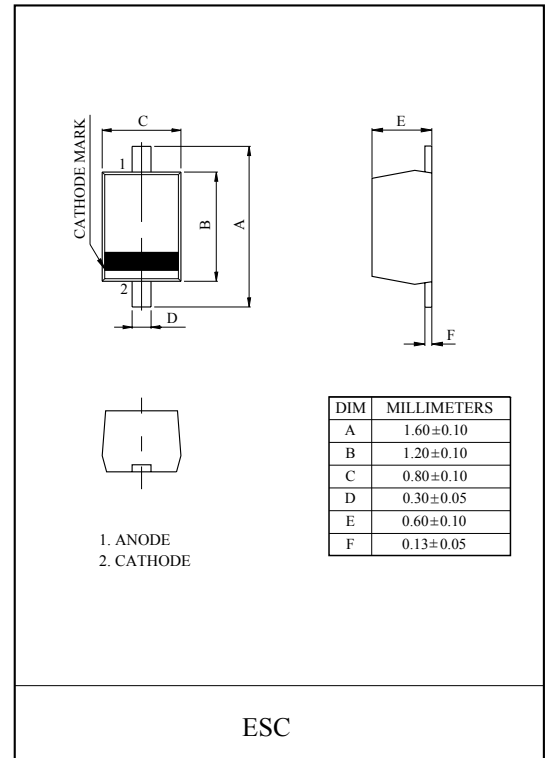
VCO FOR UHF/VHF BAND.

#### FEATURES

- High Capacitance Ratio :  $C_{1V}/C_{4V} = 2.0$  (Typ.)
- Low Series Resistance :  $r_s = 0.39 \Omega$  (Typ.)

#### 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	$V_R$	$I_R = 1 \mu A$	10	-	-	V
Reverse Current	$I_R$	$V_R = 10V$	-	-	10	nA
Capacitance	$C_{1V}$	$V_R = 1V, f = 1MHz$	15	16	17	pF
	$C_{4V}$	$V_R = 4V, f = 1MHz$	7.3	8.0	8.7	
Capacitance Ratio	K	-	1.8	2.0	-	
Series Resistance	$r_s$	$V_R = 1V, f = 470MHz$	-	0.39	0.5	$\Omega$

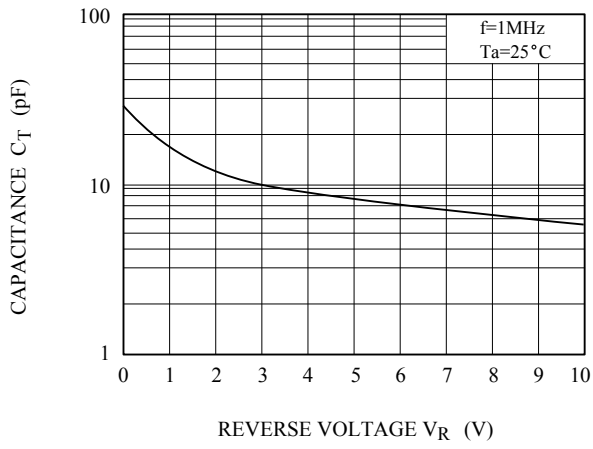
Marking

Type Name



# KDV273E

$C_T - V_R$



$I_R - V_R$

