

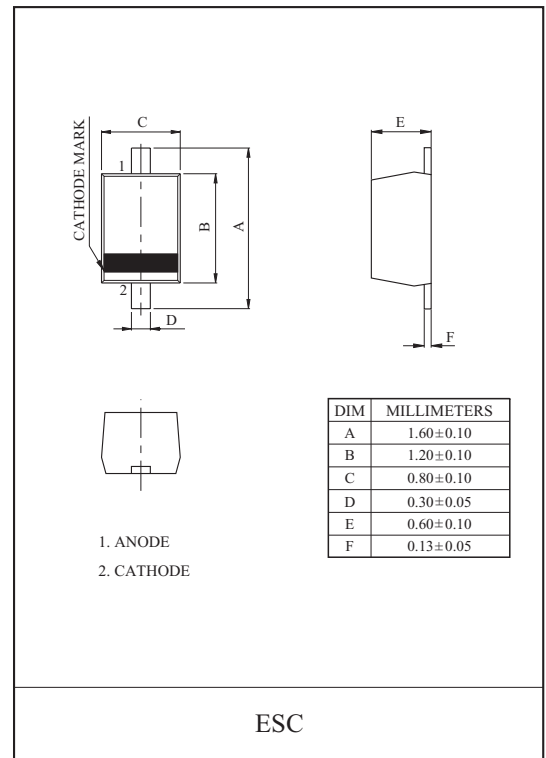
VCO FOR UHF/VHF BAND.

#### FEATURES

- High Capacitance Ratio :  $C_{1V}/C_{4V} = 2.0(\text{Min.})$
- Low Series Resistance :  $r_s = 0.45 \Omega (\text{Max.})$

#### 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 Voltage	$V_R$	$I_R = 1 \mu A$	15	-	-	V
Reverse Current	$I_R$	$V_R = 10V$	-	-	10	nA
Capacitance	$C_{1V}$	$V_R = 1V, f = 1MHz$	19.0	-	21.0	pF
	$C_{4V}$	$V_R = 4V, f = 1MHz$	8.5	-	10.0	
Capacitance Ratio	K	-	2.0	-	-	
Series Resistance	$r_s$	$V_R = 1V, f = 470MHz$	-	-	0.45	$\Omega$

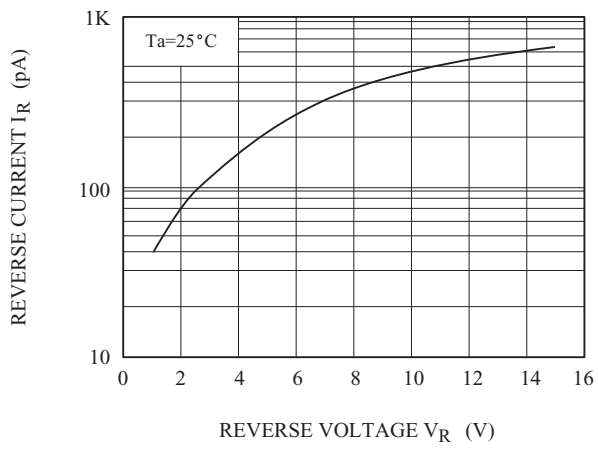
Marking

Type Name



# KDV258E

$I_R - V_R$



$C - V_R$

