

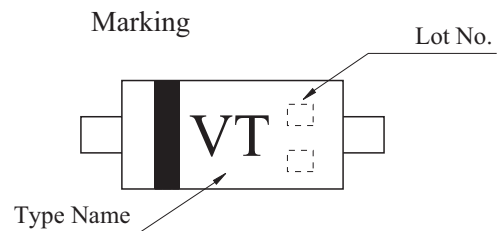
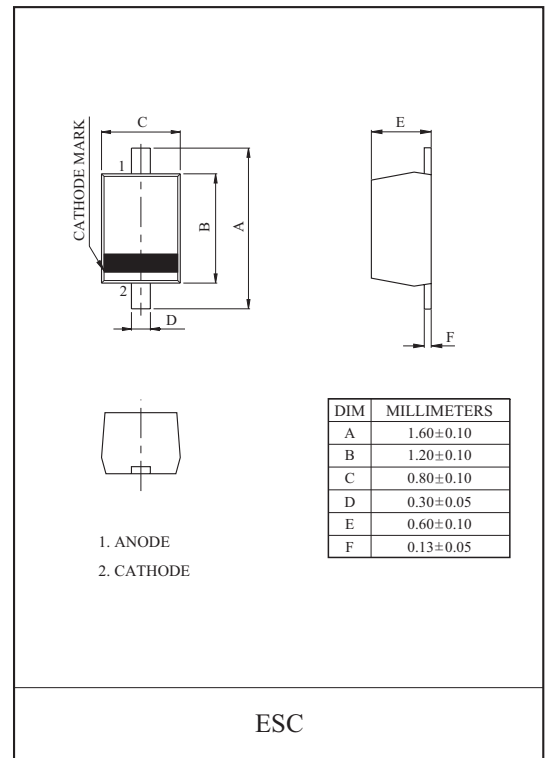
VCO.

#### FEATURES

- Low Series Resistance :  $r_s=0.50$  (Max.)
- Small Package.

#### MAXIMUM RATING (Ta=25 )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	10	V
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	
Forward Current	$I_F$	20	mA

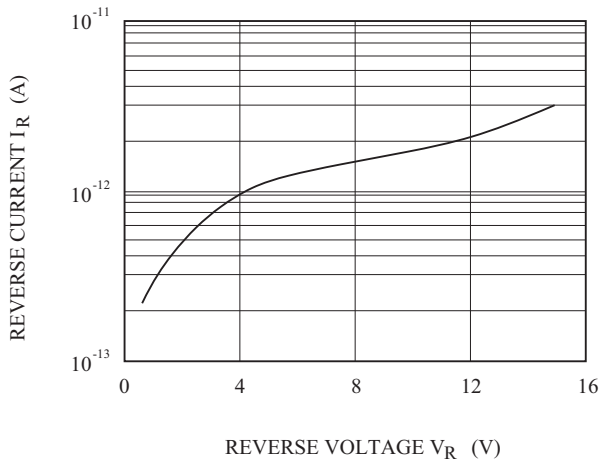


#### ELECTRICAL CHARACTERISTICS (Ta=25 )

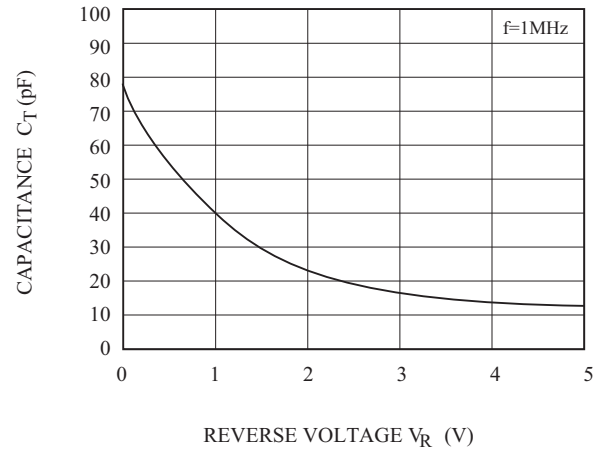
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_R$	$I_R=1 \mu A$	10	-	-	V
Reverse Current	$I_R$	$V_R=6V$	-	-	10	nA
		$V_R=6V, T_A=85$	-	-	100	
Capacitance	$C_{1V}$	$V_R=1V, f=1MHz$	38.5	41.5	44.5	pF
	$C_{2V}$	$V_R=2V, f=1MHz$	22.5	-	27.5	
	$C_{3V}$	$V_R=3V, f=1MHz$	14	15.8	17.6	
	$C_{4V}$	$V_R=4V, f=1MHz$	-	12.1	-	
Capacitance Ratio	$C_{1V}/C_{3V}$	$f=1MHz$	2.15	2.53	-	-
	$C_{1V}/C_{4V}$	$f=1MHz$	-	3.3	-	-
Series Resistance	$r_s$	$V_R=1V, f=470MHz$	-	0.25	0.5	

# KDV348E

$I_R - V_R$



$C_T - V_R$



$r_s - V_R$

