

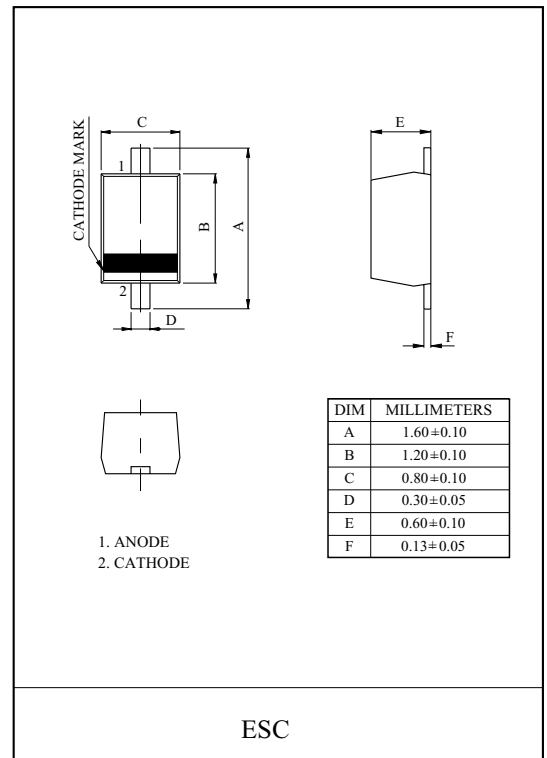
#### ANTENNA TUNNING APPLICATION

#### FEATURES

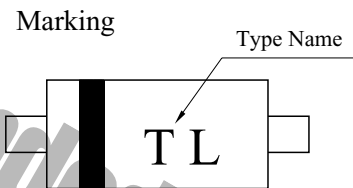
- Low Tuning Voltage :  $V_T=3V$ .
- High Capacitance Ratio :  $C_{0.5V}/C_{3V}=2.6(\text{Min.})$
- Excellent C-V Characteristics, and Small Tracking Error.

#### MAXIMUM RATING (Ta=25 )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	10	V
Junction Temperature	$T_j$	125	
Storage Temperature Range	$T_{stg}$	-55 125	



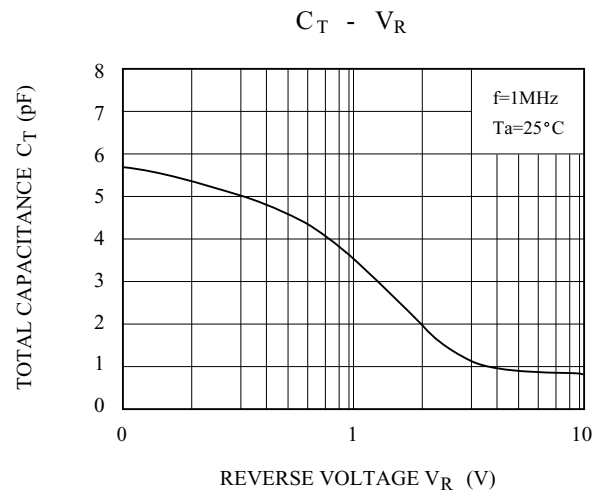
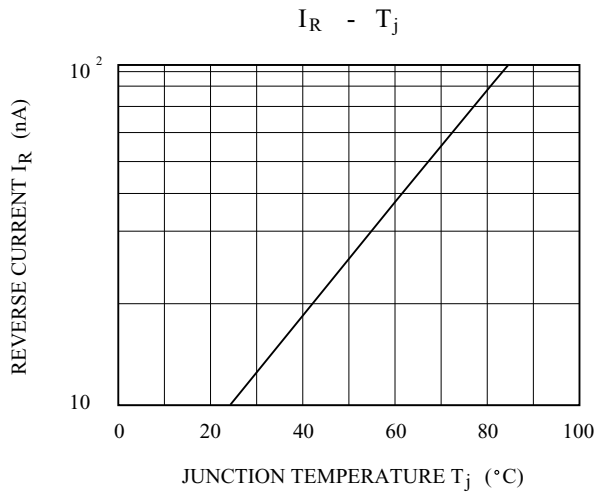
Not recommended for new design



#### ELECTRICAL CHARACTERISTICS (Ta=25 )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	$I_R$	$V_R=22V$	-	-	10	nA
Capacitance	$C_{0.5V}$	$V_R=0.5V, f=1MHz$	3.8	-	5.0	pF
	$C_{1.5V}$	$V_R=1.5V, f=1MHz$	2.1	-	2.7	
	$C_{3V}$	$V_R=3V, f=1MHz$	1.1	-	1.3	
Capacitance Ratio	$C_{0.5V}/C_{3V}$	-	2.6	-	-	-
Series Resistance	$r_s$	$V_R=0.5V, f=470MHz$	-	-	1.5	

# KDV240E



**Not recommended  
for new design**