

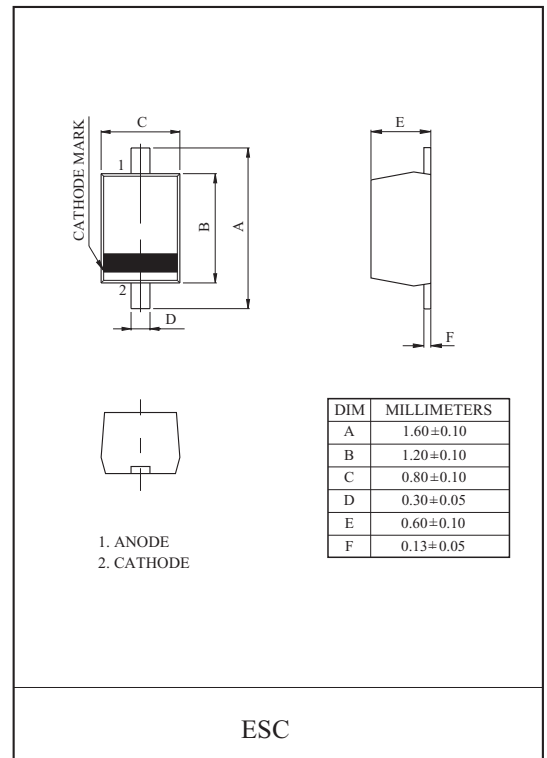
ANTENNA TUNNING APPLICATION

FEATURES

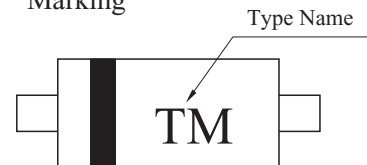
- Low Tuning Voltage : $V_T=3V$.
- High Capacitance Ratio : $C_{0.5V}/C_{3V}=3.5(\text{Min.})$
- Excellent C-V Characteristics, and Small Tracking Error.

MAXIMUM RATING (Ta=25 °C)

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



Marking

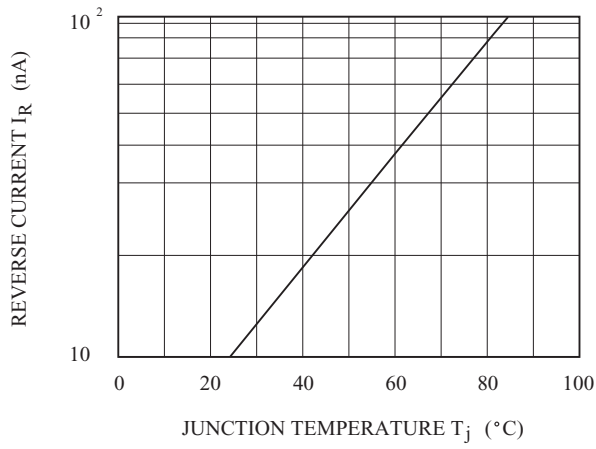


ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	I_R	$V_R=25V$	-	-	10	nA
Capacitance	$C_{0.5V}$	$V_R=0.5V, f=1MHz$	7.2	-	8.9	pF
	$C_{1.5V}$	$V_R=1.5V, f=1MHz$	3.3	-	4.2	
	C_{3V}	$V_R=3V, f=1MHz$	1.8	-	2	
Capacitance Ratio	$C_{0.5V}/C_{3V}$	-	3.5	-	-	-
Series Resistance	r_S	$V_R=0.5V, f=470MHz$	-	-	1.3	Ω

KDV241E

$I_R - T_j$



$C_T - V_R$

