

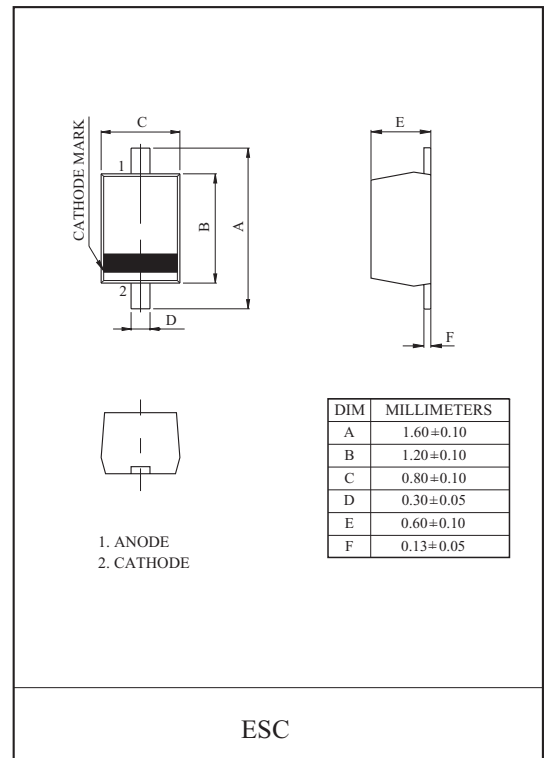
ANTENNA TUNNING APPLICATION

FEATURES

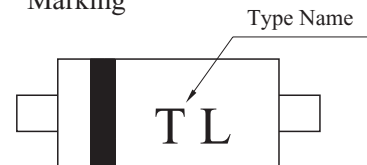
- Low Tuning Voltage : $V_T=3V$.
- High Capacitance Ratio : $C_{0.5V}/C_{3V}=2.6(\text{Min.})$
- Excellent C-V Characteristics, and Small Tracking Error.

MAXIMUM RATING (Ta=25 °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	$V_R=22V$	-	-	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	Ω

KDV240E

