

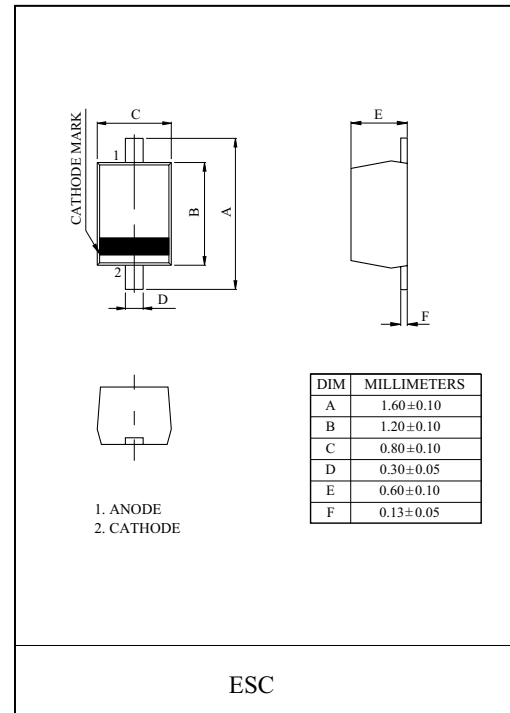
TV TUNING.

FEATURES

- High Capacitance Ratio : $C_{2V}/C_{25V}=6.5(\text{Typ.})$
- Low Series Resistance : $r_s=0.4 \Omega (\text{Typ.})$
- Excellent C-V Characteristics, and Small Tracking Error.
- Useful for Small Size Tuner.

MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	30	V
Peak Reverse Voltage	V_{RM}	35($R_L=10k \Omega$)	V
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	-55~125	°C



Marking

Type Name



ELECTRICAL CHARACTERISTICS (Ta=25°C)

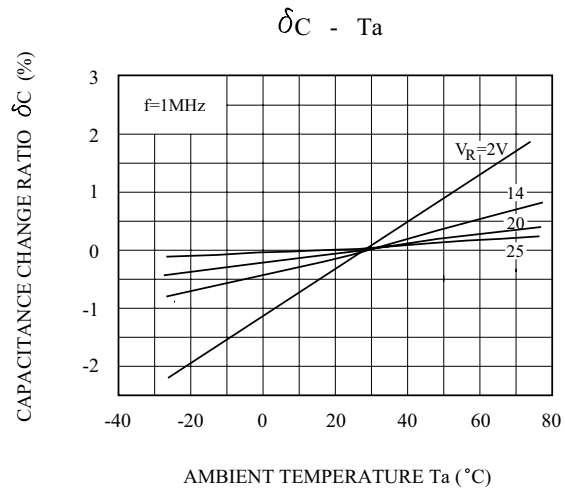
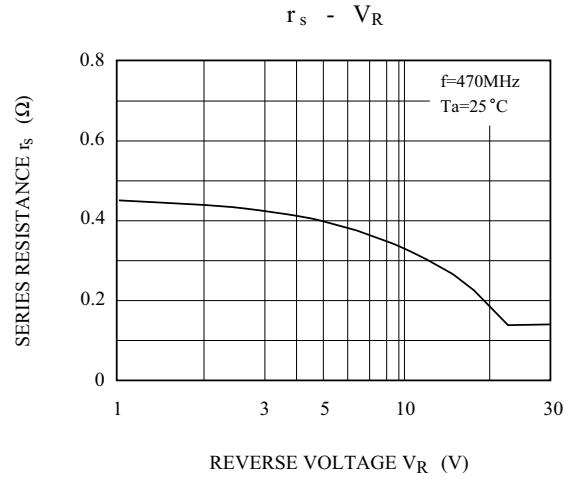
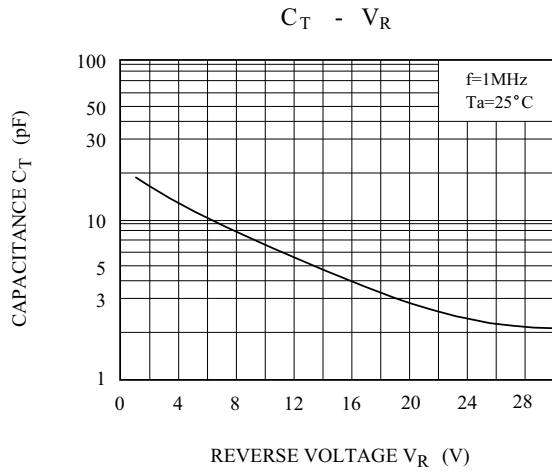
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	I_R	$V_R=30V$	-	-	10	nA
Reverse Current	I_R	$V_R=30V, (Ta=60^\circ C)$	-	-	100	nA
Capacitance	C_{2V}	$V_R=2V, f=1MHz$	14.16	-	16.25	pF
Capacitance	C_{25V}	$V_R=25V, f=1MHz$	2.11	-	2.43	pF
Capacitance Ratio	C_{2V}/C_{25V}		5.90	6.50	7.15	-
Series Resistance	r_s	$V_R=5V, f=470MHz$	-	0.4	0.55	Ω

Note : Available in matched group for capacitance to 2.0%.

$$\frac{C(\text{Max.})-C(\text{Min.})}{C(\text{Min.})} \leq 0.02$$

$$(V_R=2\sim 25V)$$

KDV215E



NOTE : $\delta C(\%) = \frac{C(T_a) - C(25)}{C(25)} \times 100$