

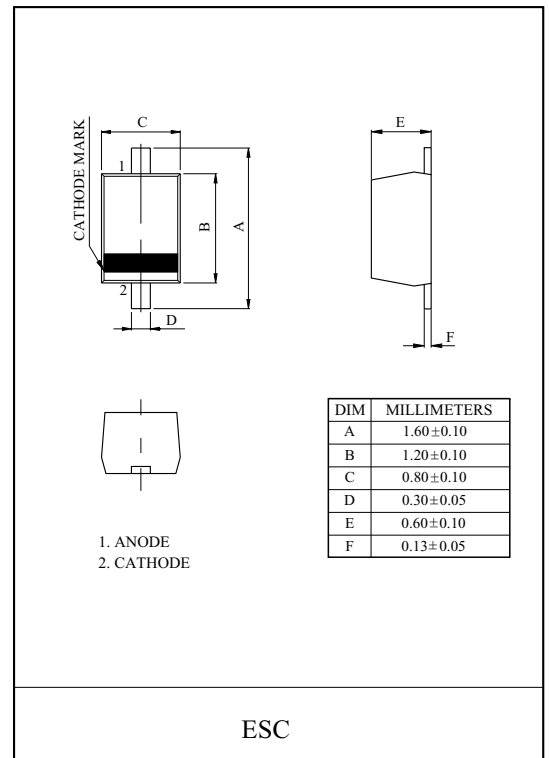
TV TUNING.

#### FEATURES

- High Capacitance Ratio :  $C_{2V}/C_{25V}=6.3(\text{Typ.})$
- Low Series Resistance :  $r_s=0.57$  (Max.)
- Excellent C-V Characteristics, and Small Tracking Error.
- Useful for Small Size Tuner.

#### MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	32	V
Junction Temperature	$T_j$	125	
Storage Temperature Range	$T_{stg}$	-55 125	



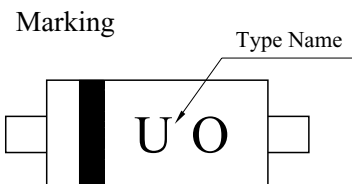
#### ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNIT
Reverse Current	$I_R$	$V_R=28V$	-	-	10	nA
Capacitance	$C_{2V}$	$V_R=2V, f=1\text{MHz}$	7.1	-	15.75	pF
Capacitance	$C_{25V}$	$V_R=25V, f=1\text{MHz}$	2.35	-	2.35	pF
Capacitance Ratio	$C_{2V}/C_{25V}$		6.3	-	-	-
Series Resistance	$r_s$	$V_R=5V, f=470\text{MHz}$	-	-	0.57	

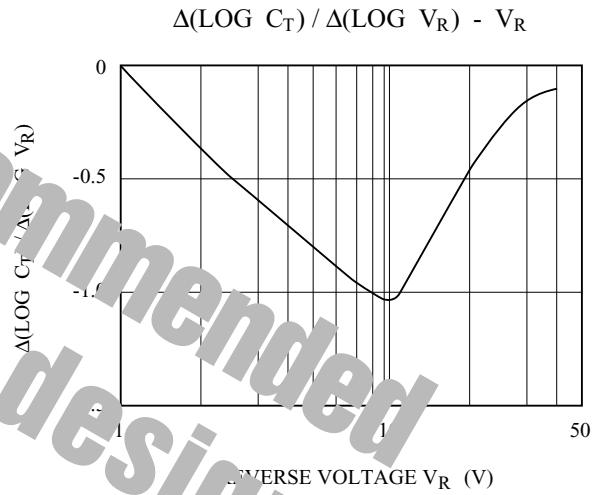
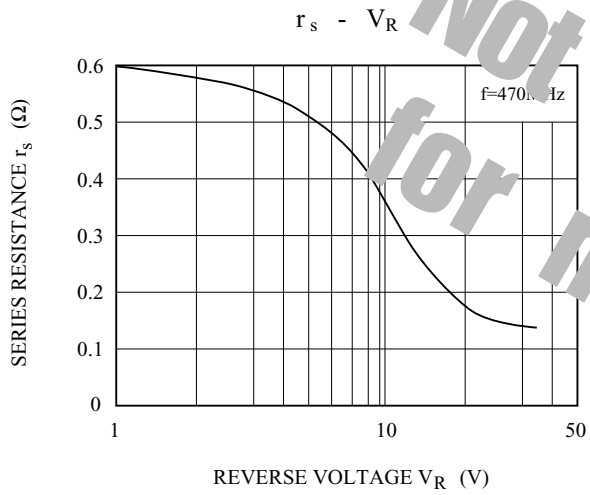
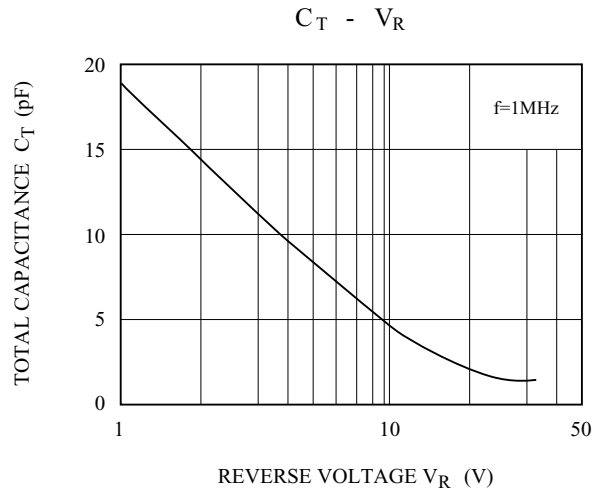
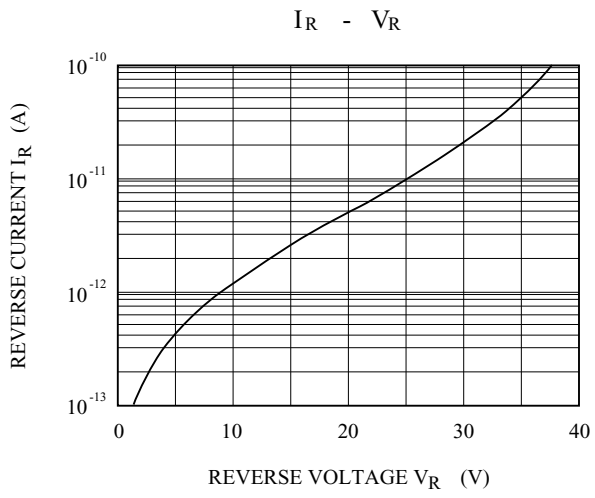
Note : Available in matched group for capacitance to 2.0%.

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

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



# KDV214E



Not recommended for new design