

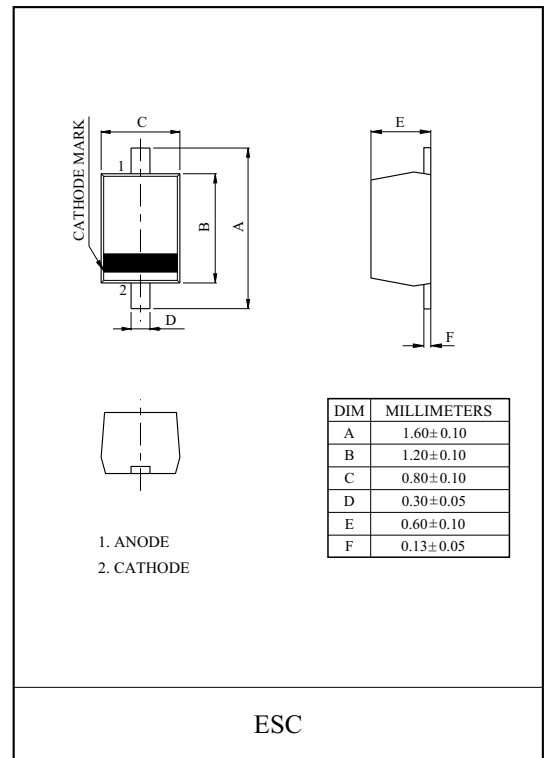
TV Tuning.

#### FEATURES

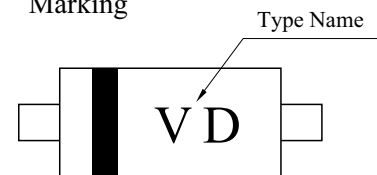
- High Capacitance Ratio :  $C_{2V}/C_{25V}=17.0(\text{Min.})$
- Low Series Resistance :  $r_s=1.1 \Omega (\text{Max.})$
- Small Package : ESC.

#### MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	34	V
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55 ~ 150	°C



Marking



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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	$I_{R1}$	$V_R=32V$	-	-	10	nA
	$I_{R2}$	$V_R=32V, T_a=60^\circ C$	-	-	100	
Capacitance	$C_{2V}$	$V_R=2V, f=1MHz$	47.0	-	53.0	pF
	$C_{25V}$	$V_R=25V, f=1MHz$	2.65	-	3.0	
Capacitance Ratio	$C_{2V}/C_{25V}$	-	17.0	-	-	
Series Resistance	$r_s$	$V_R=5V, f=470MHz$	-	-	1.1	$\Omega$

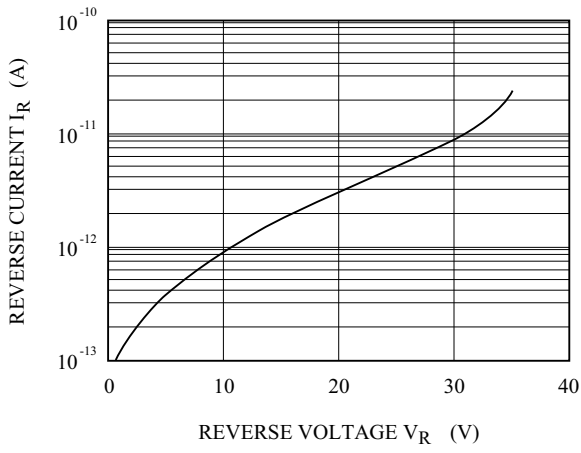
Note : Available in matched group for capacitance to 2.0%.

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

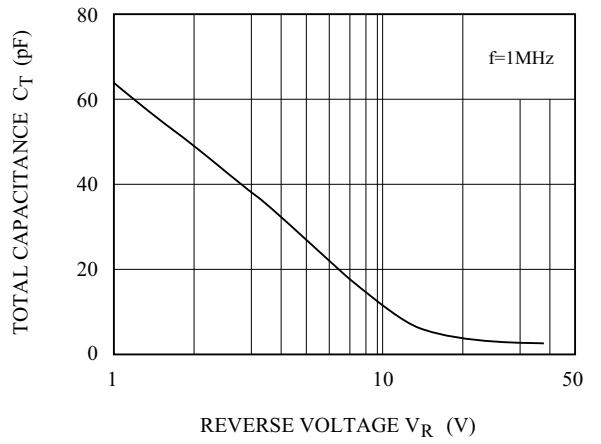
$$(V_R=2\sim 25V)$$

# KDV310E

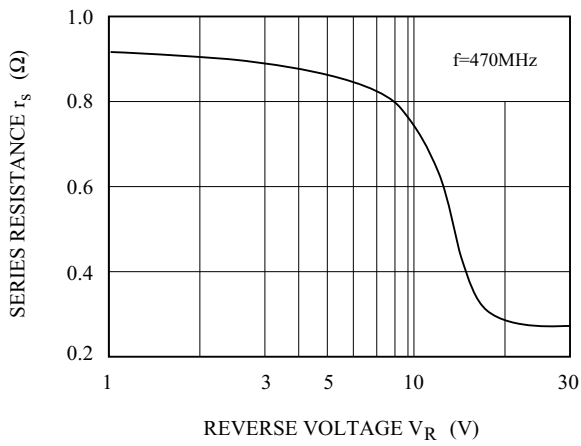
$I_R - V_R$



$C_T - V_R$



$r_s - V_R$



$\Delta(\text{LOG } C_T) / \Delta(\text{LOG } V_R) - V_R$

