

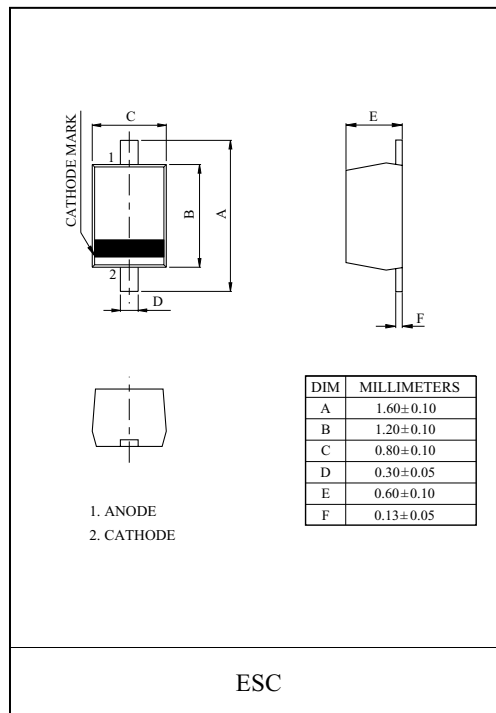
TV Tuning.

FEATURES

- High Capacitance Ratio : $C_{2V}/C_{25V}=14.5(\text{Min.})$
- 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	32	V
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 ~ 150	°C



Marking

Type Name



ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	I_{R1}	$V_R=30V$	-	-	10	nA
	I_{R2}	$V_R=30V, T_a=60^\circ C$	-	-	100	
Capacitance	C_{2V}	$V_R=2V, f=1MHz$	39.5	-	47.4	pF
	C_{25V}	$V_R=25V, f=1MHz$	2.60	-	3.03	
Capacitance Ratio	C_{2V}/C_{25V}	-	14.5	-	-	
Series Resistance	r_s	$V_R=5V, f=470MHz$	-	-	1.1	Ω

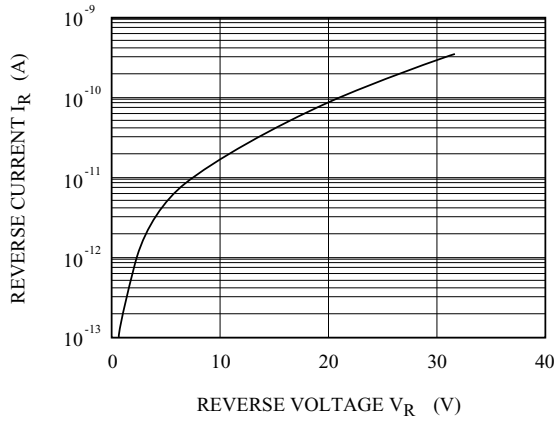
Note : Available in matched group for capacitance to 2.0%.

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

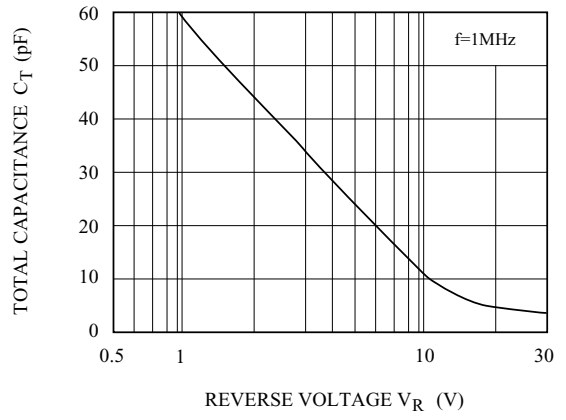
$$(V_R=2\sim 25V)$$

KDV300E

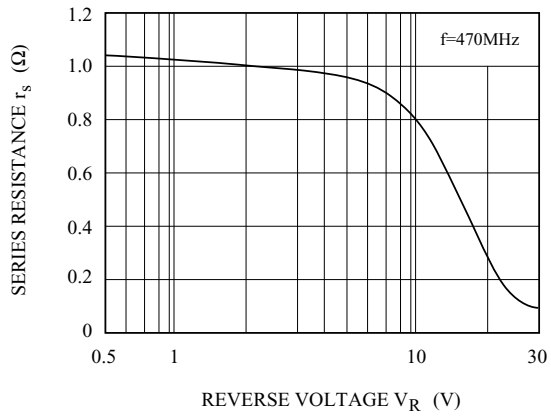
$I_R - V_R$



$C_T - V_R$



$r_s - V_R$



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

