

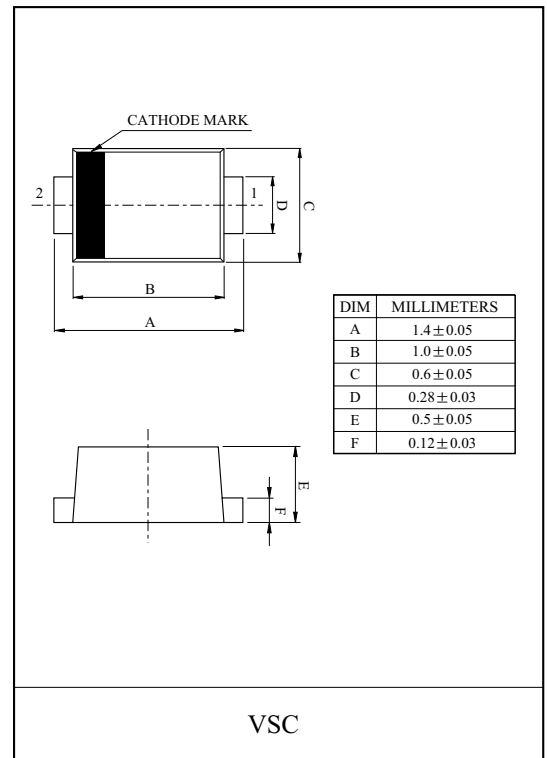
TV TUNING.

### FEATURES

- High Capacitance Ratio :  $C_{2V}/C_{25V}=6.3(\text{Min.})$
- Low Series Resistance :  $r_s=0.57 \Omega(\text{Max.})$
- 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	°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	$I_R$	$V_R=28V$	-	-	10	nA
Capacitance	$C_{2V}$	$V_R=2V, f=1MHz$	14.15	-	15.75	pF
Capacitance	$C_{25V}$	$V_R=25V, f=1MHz$	2.06	-	2.35	pF
Capacitance Ratio	$C_{2V}/C_{25V}$		6.3	-	-	-
Series Resistance	$r_s$	$V_R=5V, f=470MHz$	-	-	0.57	$\Omega$

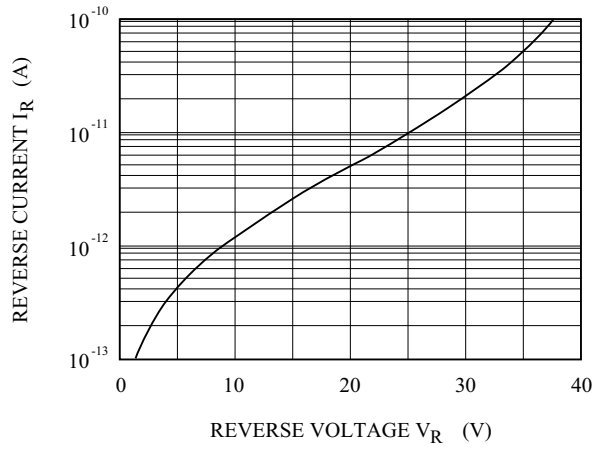
Note : Available in matched group for capacitance to 2.0%.

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

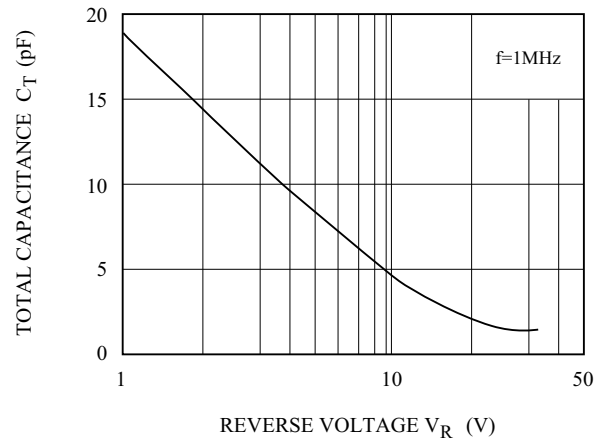
$$(V_R=2\sim 25V)$$

# KDV214V

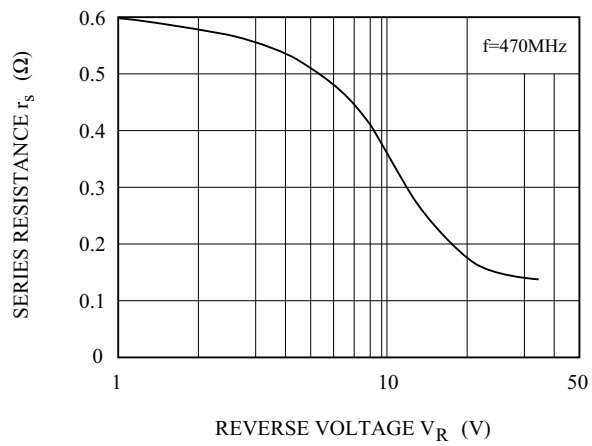
$I_R - V_R$



$C_T - V_R$



$r_s - V_R$



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

