

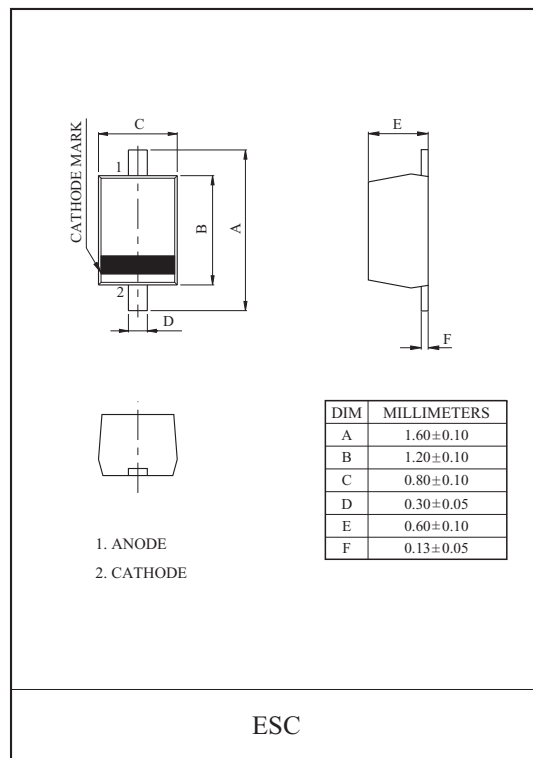
TV TUNING.

#### FEATURES

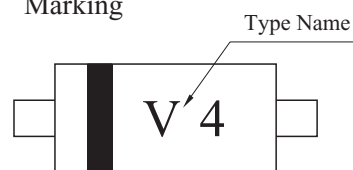
- High Capacitance Ratio
- Low Series Resistance

#### 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



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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	$I_R$	$V_R=32V$	-	-	10	nA
Capacitance	$C_{1V}$	$V_R=1V, f=1MHz$	39.0	-	43.0	pF
	$C_{2V}$	$V_R=2V, f=1MHz$	-	31.5	-	pF
	$C_{25V}$	$V_R=25V, f=1MHz$	-	2.73	-	pF
	$C_{28V}$	$V_R=28V, f=1MHz$	2.30	-	2.60	pF
Capacitance Ratio	$C_{1V}/C_{28V}$	-	15.7	16.0	-	-
	$C_{1V}/C_{2V}$	-	1.25	-	-	-
	$C_{25V}/C_{28V}$	-	1.06	1.08	-	-
Series Resistance	$r_s$	$V_R=5V, f=470MHz$	-	-	0.85	Ω

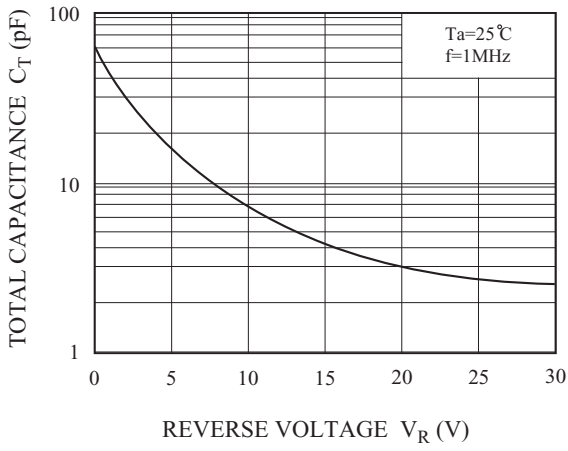
Note : Available in matched group for capacitance to 2.0%.

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

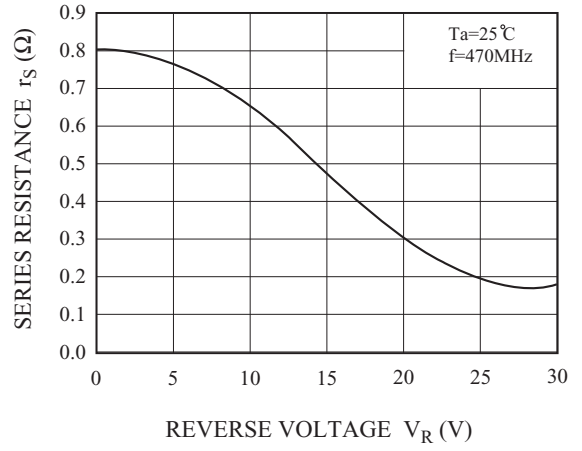
( $V_R=1\sim 28V$ )

# KDV270E

$C_T - V_R$



$r_s - V_R$



$I_R - V_R$

