

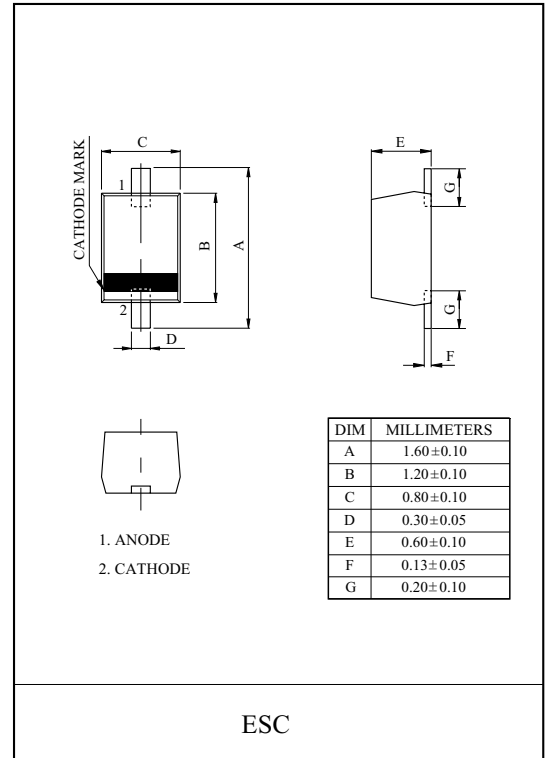
TV TUNING.

#### FEATURES

- High Capacitance Ratio
- Low Series Resistance

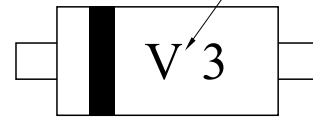
#### MAXIMUM RATING (Ta=25 )

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



Marking

Type Name



#### ELECTRICAL CHARACTERISTICS (Ta=25 )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Current	$I_R$	$V_R=32V$	-	-	10	nA
Capacitance	$C_{1V}$	$V_R=1V, f=1MHz$	19.0	-	21.0	pF
	$C_{2V}$	$V_R=2V, f=1MHz$	-	15.0	-	pF
	$C_{25V}$	$V_R=25V, f=1MHz$	-	2.1	-	pF
	$C_{28V}$	$V_R=28V, f=1MHz$	1.75	-	2.15	pF
Capacitance Ratio	$C_{1V}/C_{28V}$	-	9.2	10	-	-
	$C_{1V}/C_{2V}$	-	1.2	-	-	-
	$C_{25V}/C_{28V}$	-	1.035	1.045	-	-
Series Resistance	$r_s$	$V_R=5V, f=470MHz$	-	-	0.7	

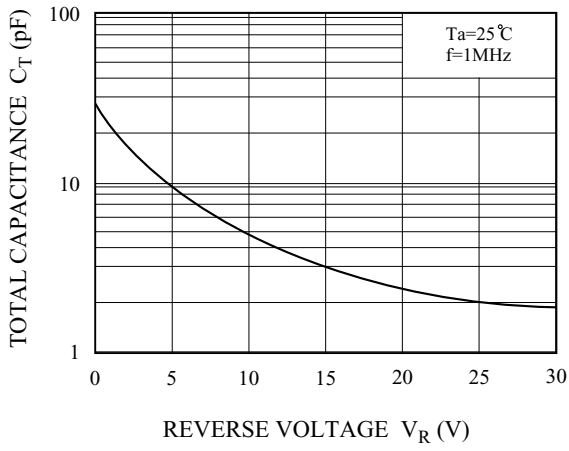
Note : Available in matched group for capacitance to 2.0%.

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

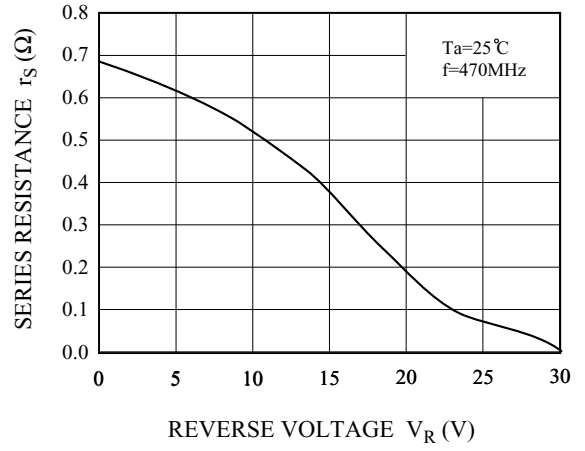
$$(V_R=1\sim 28V)$$

# KDV216E

$C_T - V_R$



$r_S - V_R$



$I_R - V_R$

