

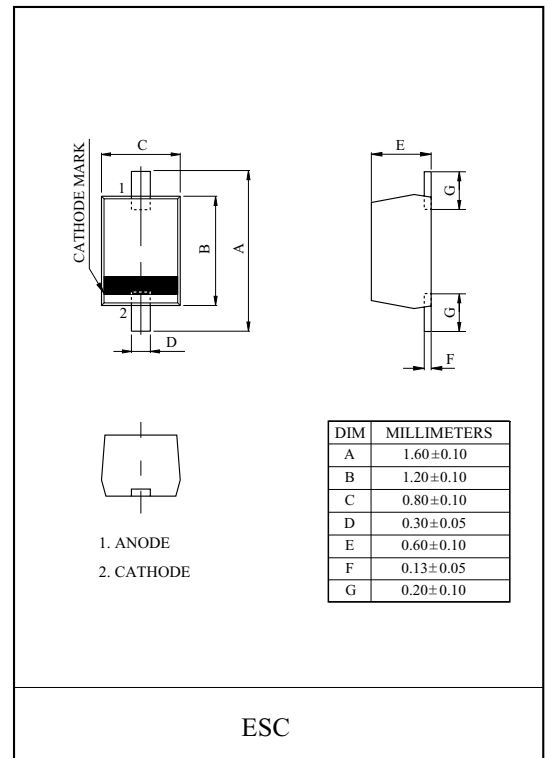
TV TUNING.

#### FEATURES

- High Capacitance Ratio
- Low Series Resistance

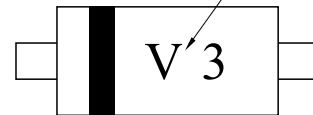
#### MAXIMUM RATING (Ta=25 )

| 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  |      |

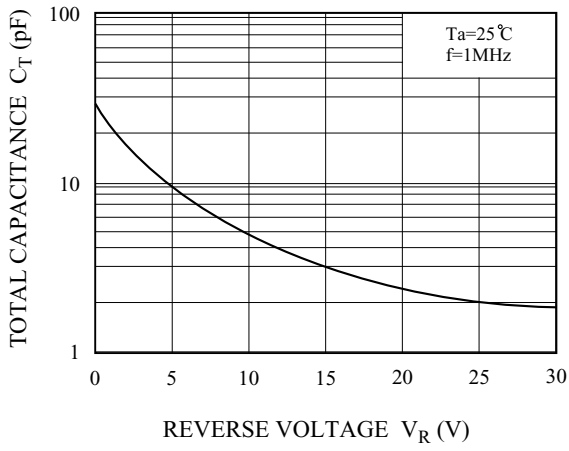
Note : Available in matched group for capacitance to 2.0%.

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

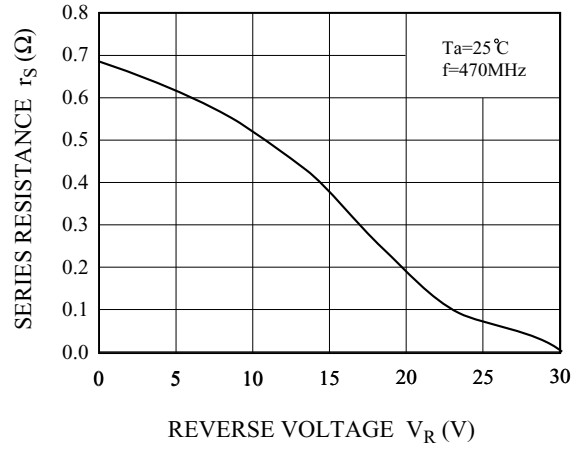
$$(V_R=1\sim 28V)$$

# KDV216E

$C_T - V_R$



$r_S - V_R$



$I_R - V_R$

