

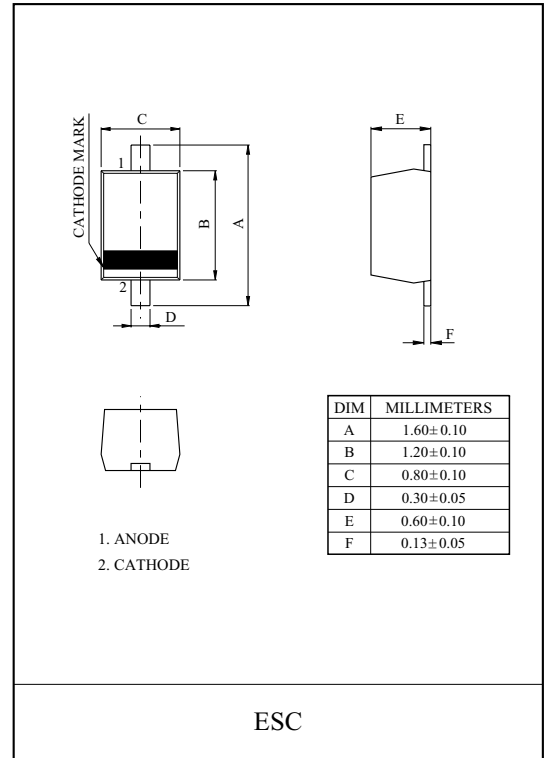
TV Tuning.

#### FEATURES

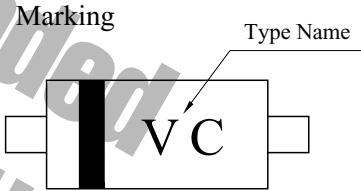
- High Capacitance Ratio :  $C_{2V}/C_{25V}=14.5(\text{Min.})$
- Low Series Resistance :  $r_s=1.1$  (Max.)
- Small Package : ESC.

#### MAXIMUM RATING (Ta=25 )

| CHARACTERISTIC            | SYMBOL    | RATING  | UNIT |
|---------------------------|-----------|---------|------|
| Reverse Voltage           | $V_R$     | 32      | V    |
| Junction Temperature      | $T_j$     | 150     |      |
| Storage Temperature Range | $T_{stg}$ | -55 150 |      |



Not recommended for new design



#### ELECTRICAL CHARACTERISTICS (Ta=25 )

| CHARACTERISTIC    | SYMBOL           | TEST CONDITION     | MIN. | TYP. | MAX. | UNIT |
|-------------------|------------------|--------------------|------|------|------|------|
| Reverse Current   | $I_{R1}$         | $V_R=30V$          | -    | -    | 10   | nA   |
|                   | $I_{R2}$         | $V_R=30V, T_a=60$  | -    | -    | 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  |      |

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

