

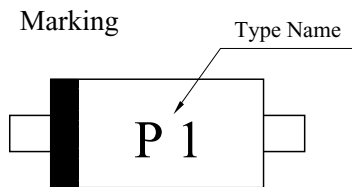
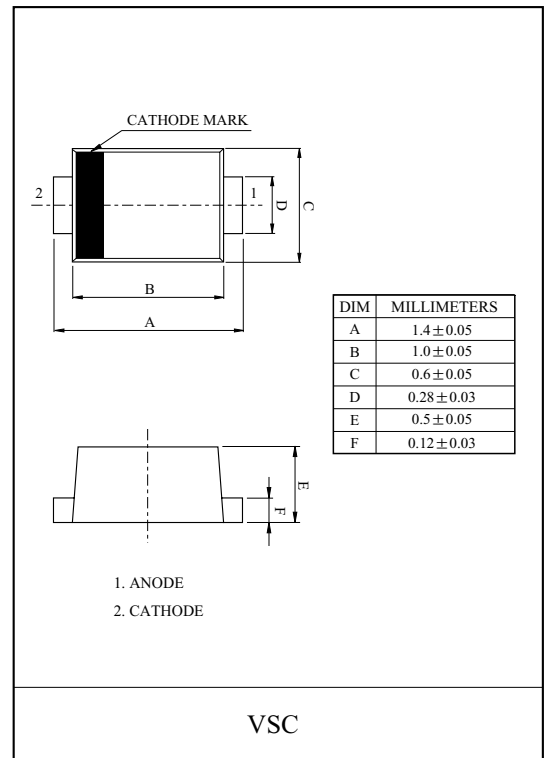
VHF TUNER BAND SWITCH APPLICATIONS.

### FEATURES

- Small Package.
- Small Total Capacitance :  $C_T=1.2\text{pF}(\text{Max.})$ .
- Low Series Resistance :  $r_s=0.5$  (Typ.).

### MAXIMUM RATING (Ta=25 )

| CHARACTERISTIC            | SYMBOL    | RATING  | UNIT |
|---------------------------|-----------|---------|------|
| Reverse Voltage           | $V_R$     | 35      | V    |
| Forward Current           | $I_F$     | 100     | mA   |
| Junction Temperature      | $T_j$     | 150     |      |
| Storage Temperature Range | $T_{stg}$ | -55 150 |      |

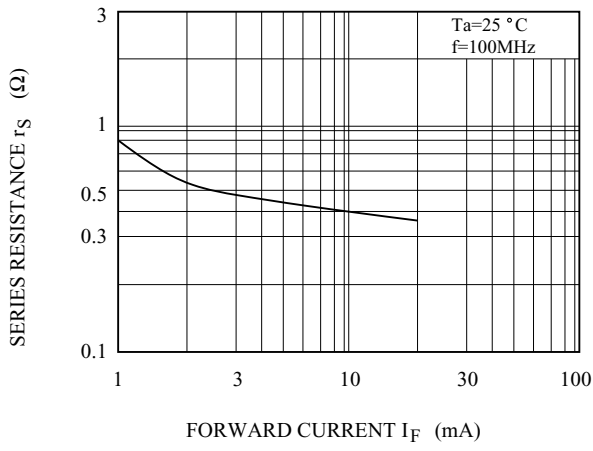


### ELECTRICAL CHARACTERISTICS (Ta=25 )

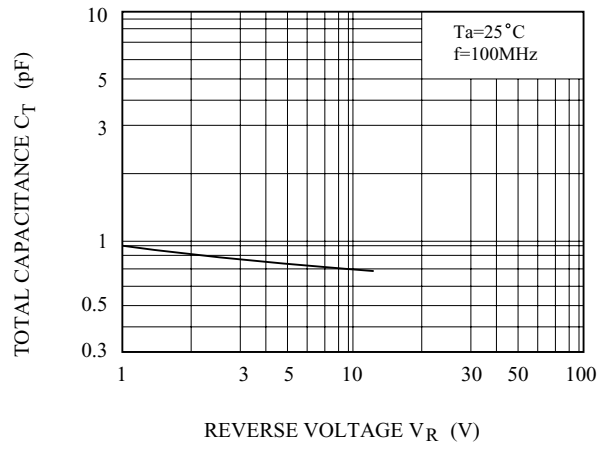
| CHARACTERISTIC    | SYMBOL | TEST CONDITION                    | MIN. | TYP. | MAX. | UNIT          |
|-------------------|--------|-----------------------------------|------|------|------|---------------|
| Forward Voltage   | $V_F$  | $I_F=2\text{mA}$                  | -    | -    | 0.85 | V             |
| Reverse Current   | $I_R$  | $V_R=15\text{V}$                  | -    | -    | 0.1  | $\mu\text{A}$ |
| Reverse Voltage   | $V_R$  | $I_R=1\ \mu\text{A}$              | 35   | -    | -    | V             |
| Total Capacitance | $C_T$  | $V_R=6\text{V}, f=1\text{MHz}$    | -    | 0.7  | 1.2  | pF            |
| Series Resistance | $r_s$  | $I_F=2\text{mA}, f=100\text{MHz}$ | -    | 0.5  | 0.9  |               |

# KDS114V

$r_S - I_F$



$C_T - V_R$



$I_F - V_F$

