

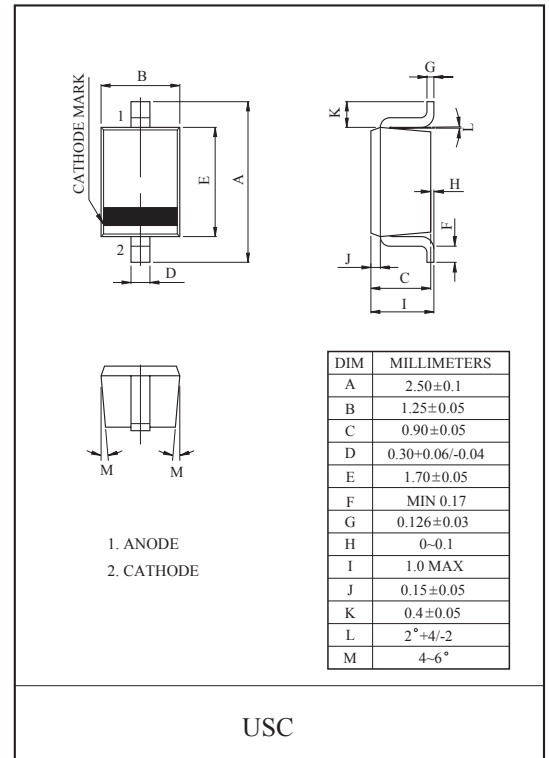
TV TUNING.

FEATURES

- High Capacitance Ratio : $C_{2V}/C_{25V}=6.5(\text{Typ.})$
- Low Series Resistance : $r_s=0.4\Omega(\text{Typ.})$
- Excellent C-V Characteristics, and Small Tracking Error.
- Useful for Small Size Tuner.

MAXIMUM RATING (Ta=25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---------------------------|-----------|------------------------|------|
| Reverse Voltage | V_R | 30 | V |
| Peak Reverse Voltage | V_{RM} | 35 ($R_L=10k\Omega$) | V |
| Junction Temperature | T_j | 125 | °C |
| Storage Temperature Range | T_{stg} | -55 ~ 125 | °C |



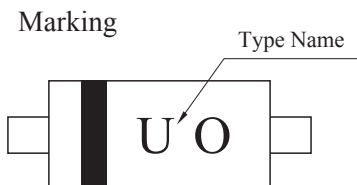
ELECTRICAL CHARACTERISTICS (Ta=25°C)

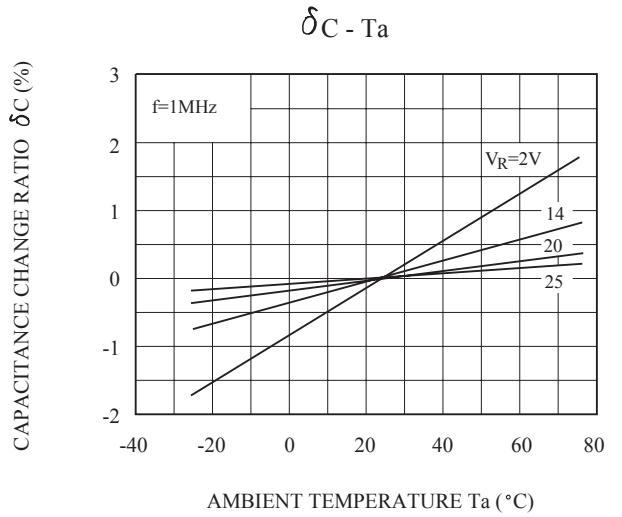
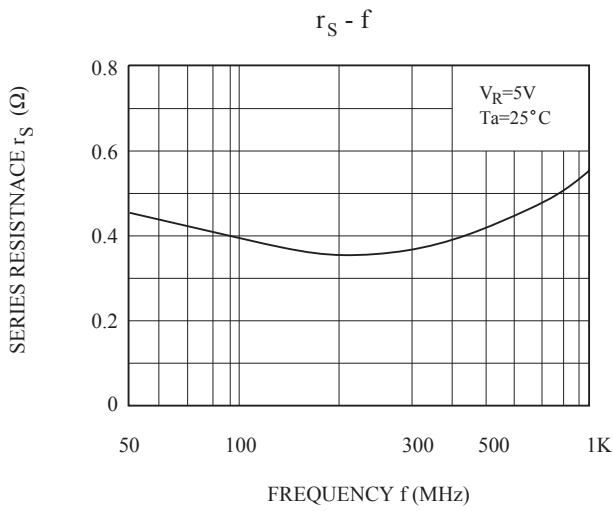
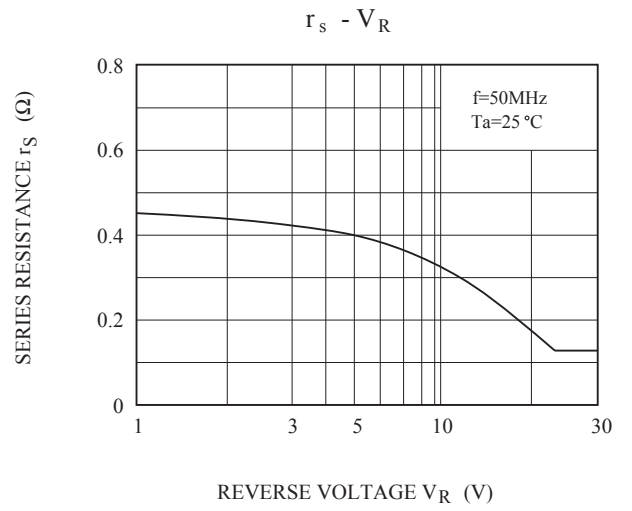
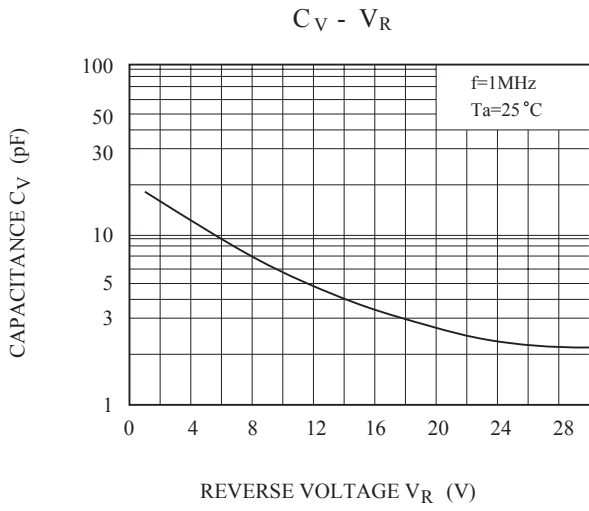
| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|-------------------|------------------|--------------------|-------|------|-------|----------|
| Reverse Voltage | V_R | $I_R=1\mu A$ | 30 | - | - | V |
| Reverse Current | I_R | $V_R=28V$ | - | - | 10 | nA |
| Capacitance | C_{2V} | $V_R=2V, f=1MHz$ | 14.16 | - | 16.25 | pF |
| Capacitance | C_{25V} | $V_R=25V, f=1MHz$ | 2.11 | - | 2.43 | pF |
| Capacitance Ratio | C_{2V}/C_{25V} | | 5.90 | 6.50 | 7.15 | - |
| Series Resistance | r_s | $V_R=5V, f=470MHz$ | - | 0.4 | 0.55 | Ω |

Note : Available in matched group for capacitance to 2.5%.

$$\frac{C(\text{Max.})-C(\text{Min.})}{C(\text{Min.})} \leq 0.025$$

($V_R=2\sim 25V$)





NOTE :
$$\delta C = \frac{C(T_a) - C(25)}{C(25)} \times 100$$