

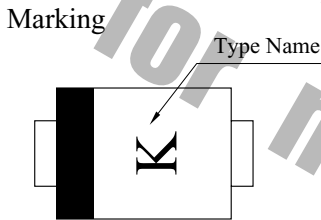
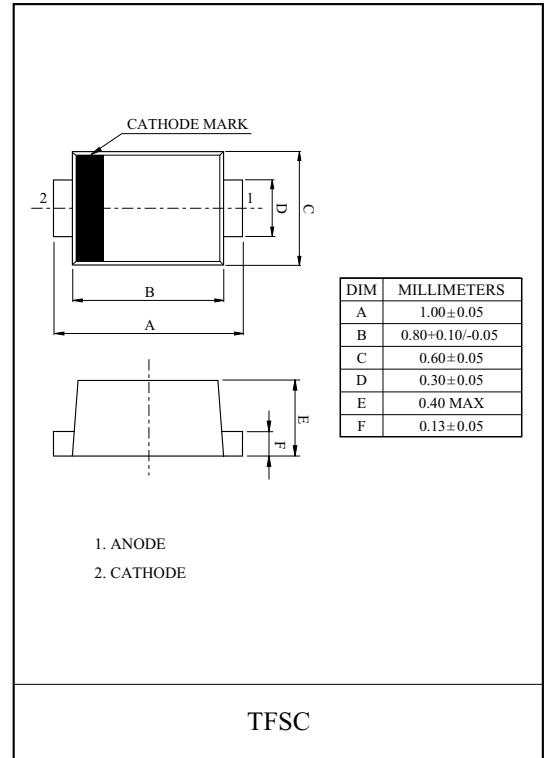
VCO FOR UHF/VHF BAND.

FEATURES

- Good C-V Linearity.
- Low Series Resistance.
- Small Package : TFSC.

MAXIMUM RATING (Ta=25)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---------------------------|-----------|---------|------|
| Reverse Voltage | V_R | 15 | V |
| Junction Temperature | T_j | 150 | |
| Storage Temperature Range | T_{stg} | -55 150 | |

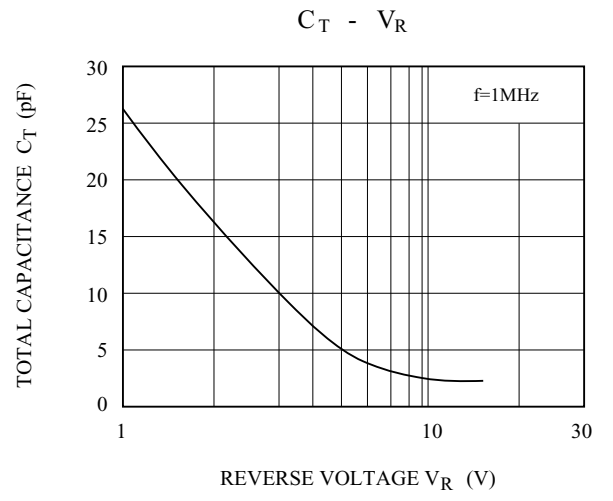
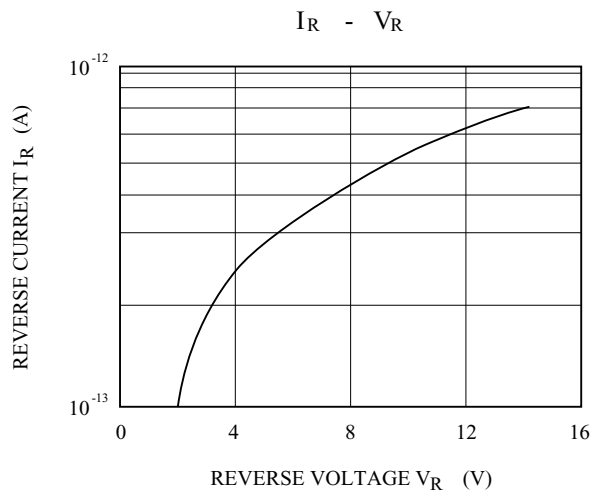


ELECTRICAL CHARACTERISTICS (Ta=25)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|-------------------|-----------------|--|-------|------|-------|------|
| Reverse Current | I_{R1} | $V_R=10V$ | - | - | 10 | nA |
| | I_{R2} | $V_R=10V, T_a=60$ | - | - | 100 | |
| Capacitance | C_{1V} | $V_R=1V, f=1MHz$ | 27.05 | - | 28.55 | pF |
| | C_{4V} | $V_R=4V, f=1MHz$ | 6.05 | - | 7.55 | |
| Capacitance Ratio | C_{1V}/C_{4V} | - | 3.0 | - | - | - |
| Series Resistance | r_s | $V_R=4V, f=100MHz$ | - | - | 1.5 | |
| ESD Capability * | | $C=200pF, R=0$, Both forward and reverse direction 1 pulse. | 200 | - | - | V |

* Failure criterion : I_R 20nA at $V_R=10V$.

KDV365F



**Not recommended
for new design**