

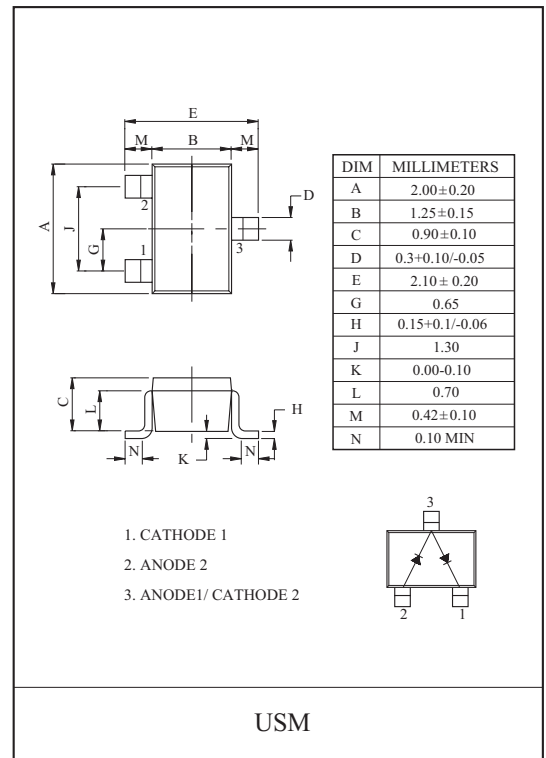
VHF TUNER BAND SWITCH APPLICATIONS.

FEATURES

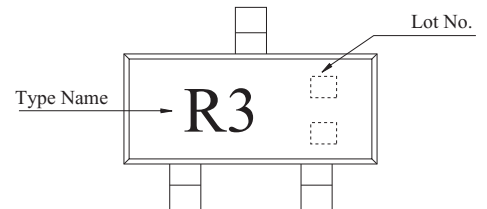
- Small Package.
- Small Total Capacitance : $C_T=1.2\text{pF}(\text{Max.})$.
- Low Series Resistance : $r_s=0.6$ (Typ.).

MAXIMUM RATING (Ta=25)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---------------------------|-----------|---------|------|
| Reverse Voltage | V_R | 30 | V |
| Forward Current | I_F | 50 | mA |
| Junction Temperature | T_j | 125 | |
| Storage Temperature Range | T_{stg} | -55 125 | |



Marking



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 | μA |
| Reverse Voltage | V_R | $I_R=1\ \mu\text{A}$ | 30 | - | - | V |
| Total Capacitance | C_T | $V_R=6\text{V}, f=1\text{MHz}$ | - | 0.8 | 1.2 | pF |
| Series Resistance | r_s | $I_F=2\text{mA}, f=100\text{MHz}$ | - | 0.6 | 0.9 | |

KDS115

