

LOW VOLTAGE HIGH SPEED SWITCHING.

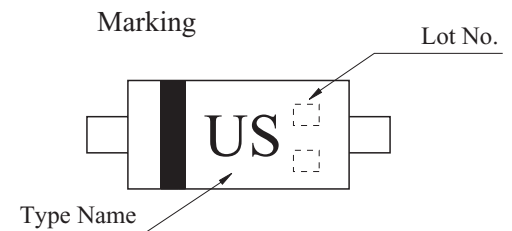
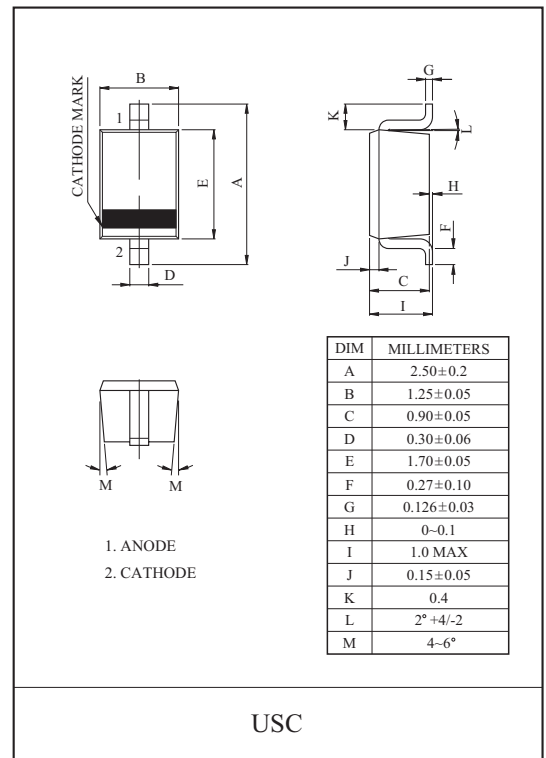
FEATURES

- Low Forward Voltage : $V_{F(2)}=0.23V$ (Typ.)
- Small Package : USC.
- Suffix U : Qualified to AEC-Q101.
ex) KDR367-RTK/HU

MAXIMUM RATING (Ta=25)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|--------------------------------|-----------|---------|------|
| Maximum (Peak) Reverse Voltage | V_{RM} | 15 | V |
| Reverse Voltage | V_R | 10 | V |
| Maximum (Peak) Forward Current | I_{FM} | 200 | mA |
| Average Forward Current | I_O | 100 | mA |
| Surge Current (10ms) | I_{FSM} | 1 | A |
| Power Dissipation | P_D | 200* | mW |
| Junction Temperature | T_j | 125 | |
| Storage Temperature Range | T_{stg} | -55 125 | |

* : Mounted on a glass epoxy circuit board of 20 × 20mm,
pad dimension of 4 × 4mm.

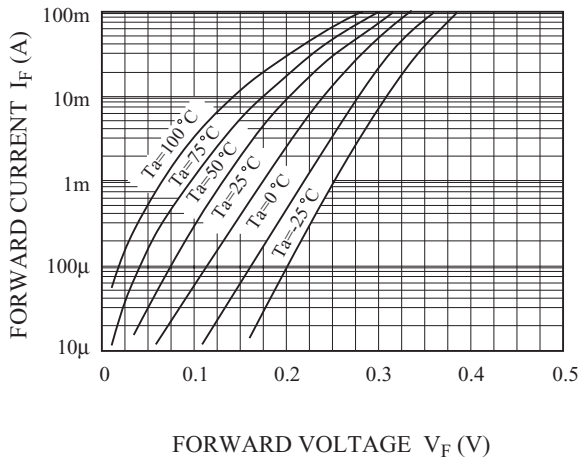


ELECTRICAL CHARACTERISTICS (Ta=25)

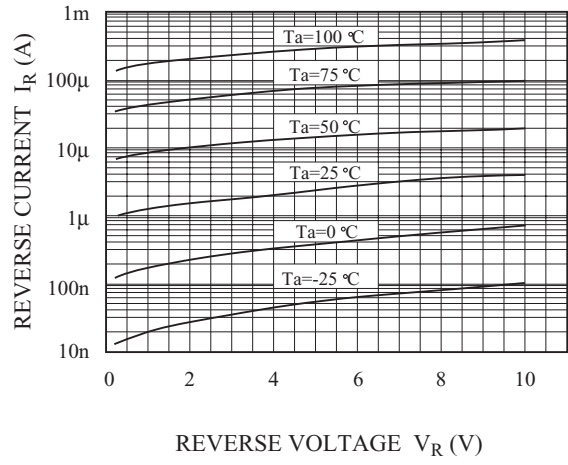
| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|-------------------|------------|------------------|------|------|------|---------|
| Forward Voltage | $V_{F(1)}$ | $I_F=1mA$ | - | 0.18 | - | V |
| | $V_{F(2)}$ | $I_F=5mA$ | - | 0.23 | 0.30 | |
| | $V_{F(3)}$ | $I_F=100mA$ | - | 0.35 | 0.50 | |
| Reverse Current | I_R | $V_R=10V$ | - | - | 20 | μA |
| Total Capacitance | C_T | $V_R=0V, f=1MHz$ | - | 20 | 40 | pF |

KDR367

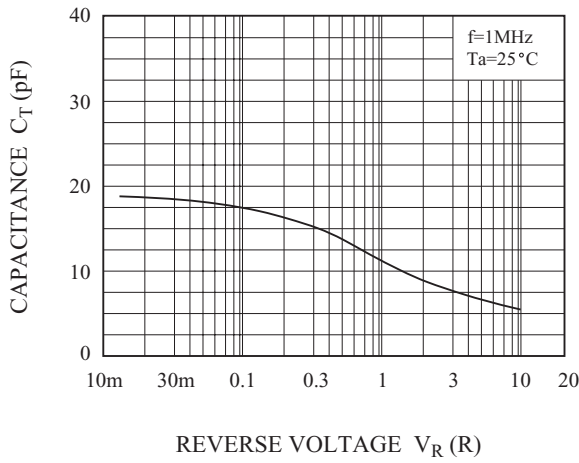
$I_F - V_F$



$I_R - V_R$



$C_T - V_R$



$P - T_a$

