

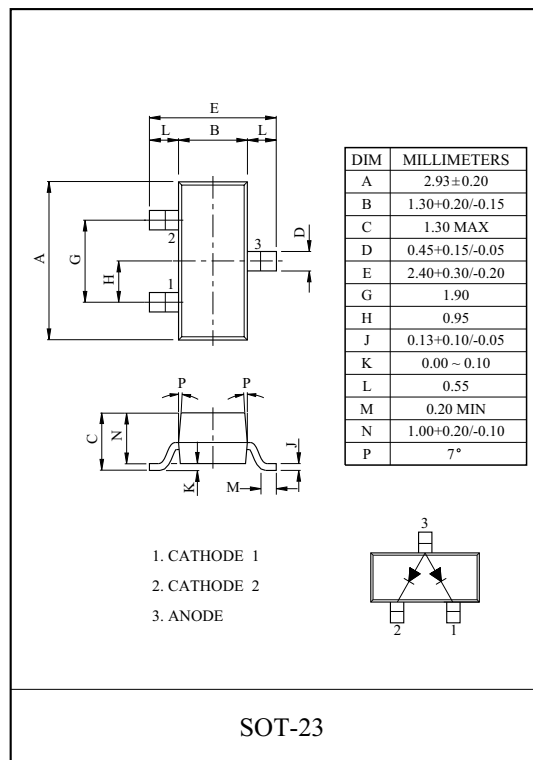
For high speed switching circuit.  
For small current rectification.

#### FEATURES

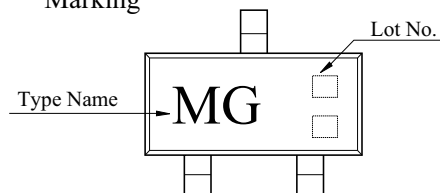
- Low Forward Voltage :  $V_F=0.55V(\text{Max})$ .
- $I_O=200\text{mA}$  rectification possible.

#### MAXIMUM RATING ( $T_a=25^\circ\text{C}$ )

| CHARACTERISTIC                    | SYMBOL    | RATING    | UNIT             |
|-----------------------------------|-----------|-----------|------------------|
| Repetitive Peak Reverse Voltage   | $V_{RRM}$ | 30        | V                |
| Reverse Voltage                   | $V_R$     | 30        | V                |
| Average Forward Current           | $I_O$     | 0.2       | A                |
| Non-repetitive peak surge current | $I_{FSM}$ | 1         | A                |
| Junction Temperature              | $T_j$     | 125       | $^\circ\text{C}$ |
| Storage Temperature               | $T_{stg}$ | -55 ~ 125 | $^\circ\text{C}$ |



#### Marking

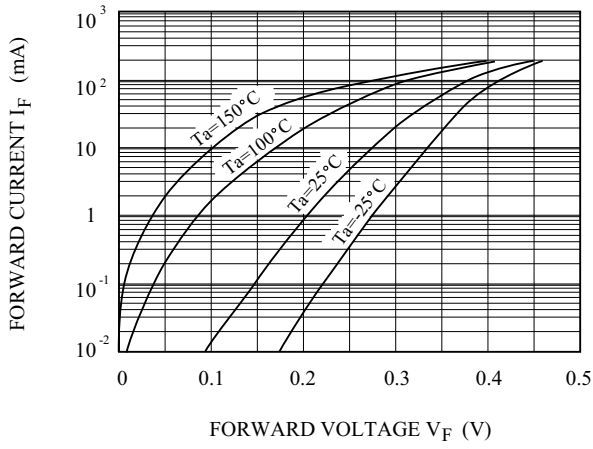


#### ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ\text{C}$ )

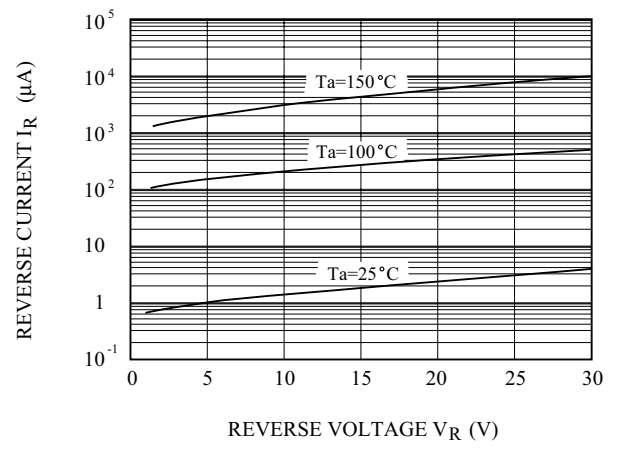
| CHARACTERISTIC        | SYMBOL   | TEST CONDITION                    | MIN. | TYP. | MAX. | UNIT          |
|-----------------------|----------|-----------------------------------|------|------|------|---------------|
| Forward Voltage       | $V_F$    | $I_F=0.2\text{A}$                 | -    | -    | 0.55 | V             |
| Reverse Current       | $I_R$    | $V_R=30\text{V}$                  | -    | -    | 50   | $\mu\text{A}$ |
| Total Capacitance     | $C_T$    | $V_R=0\text{V}$ , $f=1\text{MHz}$ | -    | 30   | -    | pF            |
| Reverse Recovery Time | $t_{rr}$ | $I_R=I_F=10\text{mA}$             | -    | 3    | -    | nS            |

# KDR720S

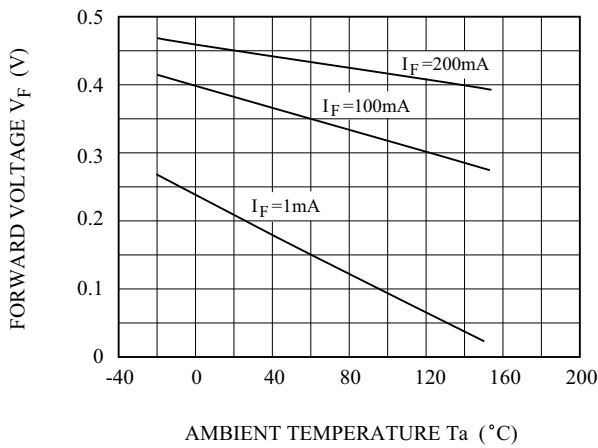
$I_F - V_F$



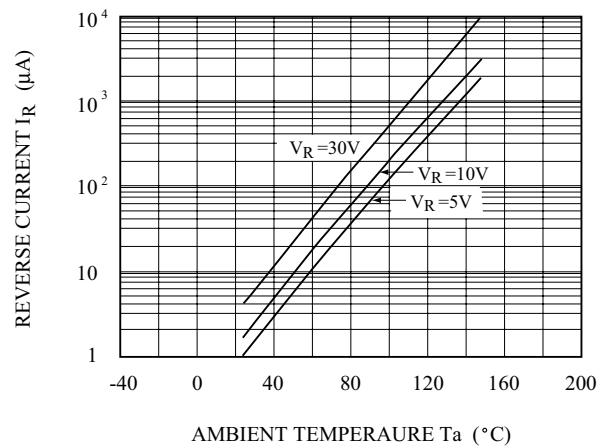
$I_R - V_R$



$V_F - T_a$



$I_R - T_a$



$C_T - V_R$

