

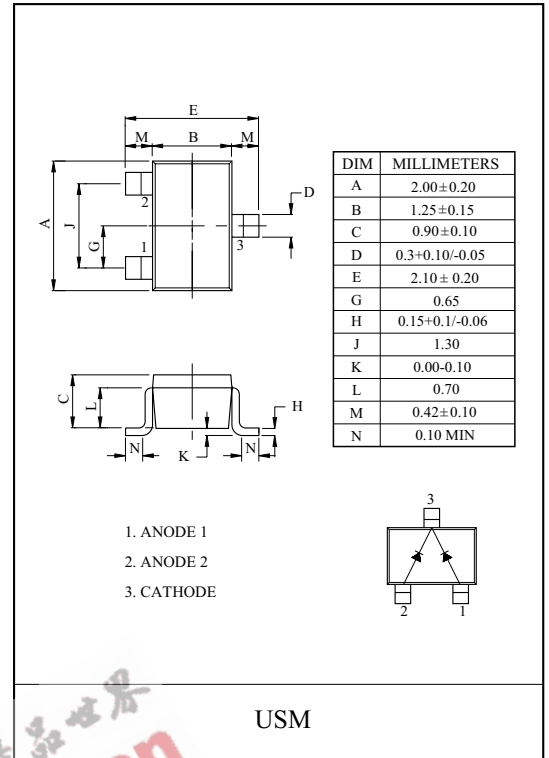
Low Voltage High Speed Switching.

### FEATURES

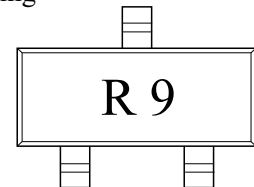
- Low Forward Voltage :  $V_F=0.60V(\text{Max.})$
- Low Reverse Current :  $I_R=5\mu A(\text{Max.})$

### MAXIMUM RATING (Ta=25 °C)

| CHARACTERISTIC                           | SYMBOL    | RATING    | UNIT |
|--|-----------|-----------|------|
| Repetitive Peak Reverse Voltage          | $V_{RRM}$ | 40        | V    |
| Reverse Voltage                          | $V_R$     | 40        | V    |
| Average Forward Current                  | $I_O$     | 0.1       | A    |
| Non-repetitive peak surge current (10mA) | $I_{FSM}$ | 1         | A    |
| Junction Temperature                     | $T_j$     | 125       | °C   |
| Storage Temperature                      | $T_{stg}$ | -55 ~ 125 | °C   |



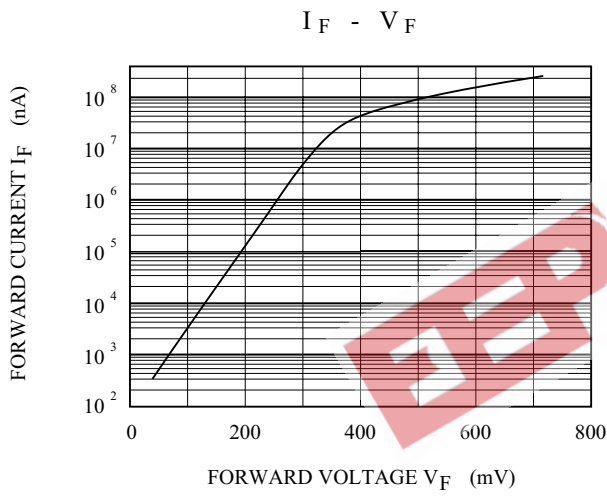
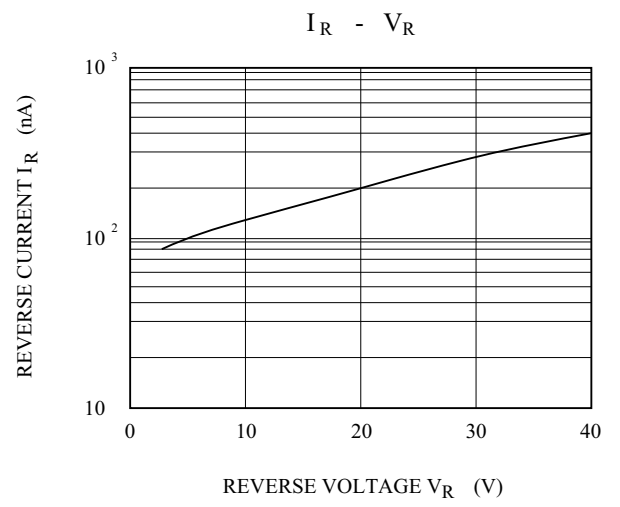
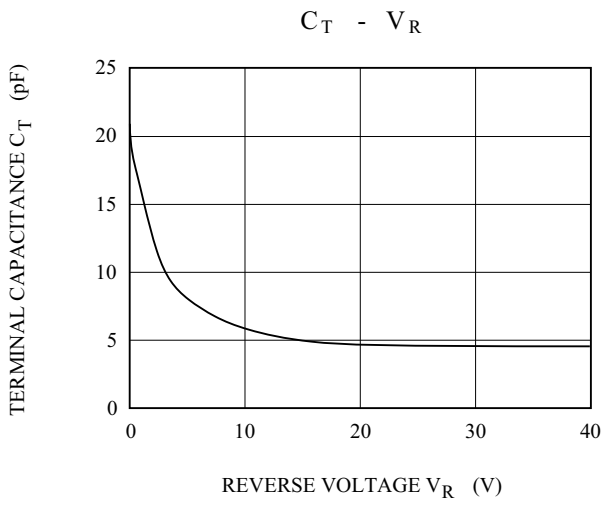
### Marking



### ELECTRICAL CHARACTERISTICS (Ta=25 °C)

| CHARACTERISTIC    | SYMBOL | TEST CONDITION   | MIN. | TYP. | MAX. | UNIT    |
|-------------------|--------|------------------|------|------|------|---------|
| Forward Voltage   | $V_F$  | $I_F=10mA$       | -    | 0.36 | -    | V       |
|                   |        | $I_F=100mA$      | -    | 0.51 | 0.60 |         |
| Reverse Current   | $I_R$  | $V_R=10V$        | -    | -    | 5    | $\mu A$ |
| Total Capacitance | $C_T$  | $V_R=0V, f=1MHz$ | -    | 20   | 25   | pF      |

# KDR393



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