

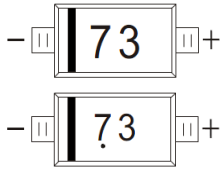
## Plastic-Encapsulate Diodes

SCHOTTKY BARRIER DIODE

### FEATURES

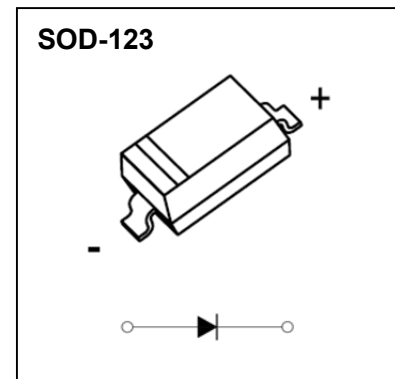
- Small Current Rectification
- Low Voltage

### MARKING: 73



The marking bar indicates the cathode

Solid dot = Green molding compound device, if none, the normal device.



### MAXIMUM RATINGS ( $T_a=25^{\circ}\text{C}$ unless otherwise noted )

| Symbol          | Parameter  | Value      | Unit                        |
|-----------------|--|------------|-----------------------------|
| $V_R$           | DC Blocking Voltage  | 30         | V                           |
| $I_o$           | Forward Current  | 1          | A                           |
| $I_{FSM}$       | Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$ | 15         |                             |
| $P_D$           | Power Dissipation  | 450        | mW                          |
| $R_{\theta JA}$ | Thermal Resistance from Junction to Ambient                  | 222        | $^{\circ}\text{C}/\text{W}$ |
| $T_j$           | Operating Junction Temperature Range                         | -40 ~ +125 | $^{\circ}\text{C}$          |
| $T_{stg}$       | Storage Temperature Range                                    | -55 ~ +150 | $^{\circ}\text{C}$          |

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

| Parameter       | Symbol       | Test conditions     | Min | Typ | Max  | Unit          |
|-----------------|--------------|---------------------|-----|-----|------|---------------|
| Reverse current | $I_R$        | $V_R=15\text{V}$    |     |     | 20   | $\mu\text{A}$ |
|                 |              | $V_R=30\text{V}$    |     |     | 50   | $\mu\text{A}$ |
| Forward voltage | $V_{F(1)}$   | $I_F=500\text{mA}$  |     |     | 0.46 | V             |
|                 | $V_{F(2)^*}$ | $I_F=1000\text{mA}$ |     |     | 0.55 |               |

\* Pulse test



## Typical Characteristics

