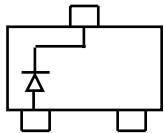
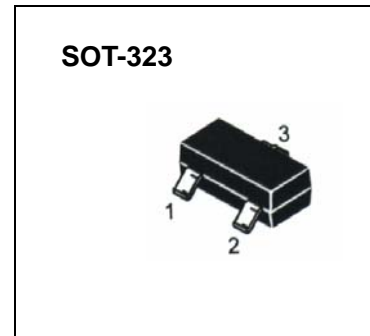


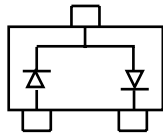
## SCHOKKTY DIODE

### FEATURES

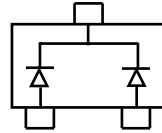
- Low Turn-on voltage
- Fast switching
- Also available in lead free version



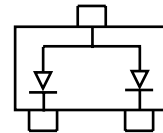
BAS70W Marking: K73



BAS70W-04 Marking: K74



BAS70W-05 Marking: K75



BAS70W-06 Marking: K76

### MAXIMUM RATINGS @ $T_A=25^{\circ}\text{C}$

| Symbol    | Parameter                  | Value   | Units              |
|-----------|----------------------------|---------|--------------------|
| $V_R$     | DC Voltage                 | 70      | V                  |
| $I_F$     | Forward Continuous Current | 70      | mA                 |
| $P_D$     | Power dissipation          | 200     | mW                 |
| $T_J$     | Junction Temperature       | 125     | $^{\circ}\text{C}$ |
| $T_{stg}$ | Storage Temperature        | -55-150 | $^{\circ}\text{C}$ |

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

| Parameter                       | Symbol      | Test conditions  | MIN | MAX         | UNIT |
|---------------------------------|-------------|--|-----|-------------|------|
| Reverse breakdown voltage       | $V_{(BR)R}$ | $I_R=10\mu\text{A}$  | 70  |             | V    |
| Reverse voltage leakage current | $I_R$       | $V_R=50\text{V}$   |     | 100         | nA   |
| Forward voltage                 | $V_F$       | $I_F=1\text{mA}$<br>$I_F=15\text{mA}$                            |     | 410<br>1000 | mV   |
| Diode capacitance               | $C_D$       | $V_R=0\text{V}, f=1\text{MHz}$                                   |     | 2           | pF   |
| Reveres recovery time           | $t_{rr}$    | $I_F=I_R=10\text{mA}, I_{rr}=0.1 \times I_R,$<br>$R_L=100\Omega$ |     | 5           | nS   |

## Typical Characteristics

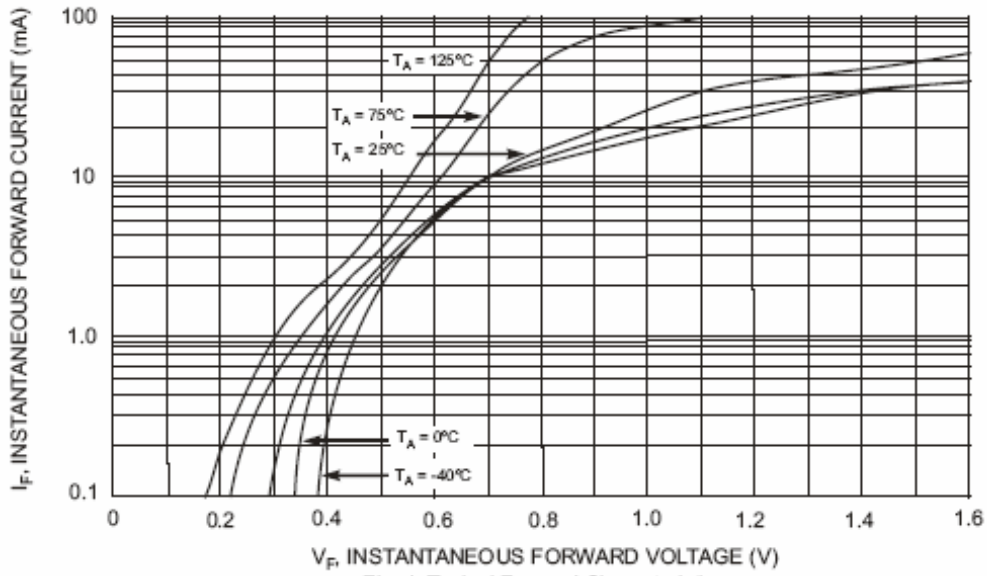


Fig. 1 Typical Forward Characteristics

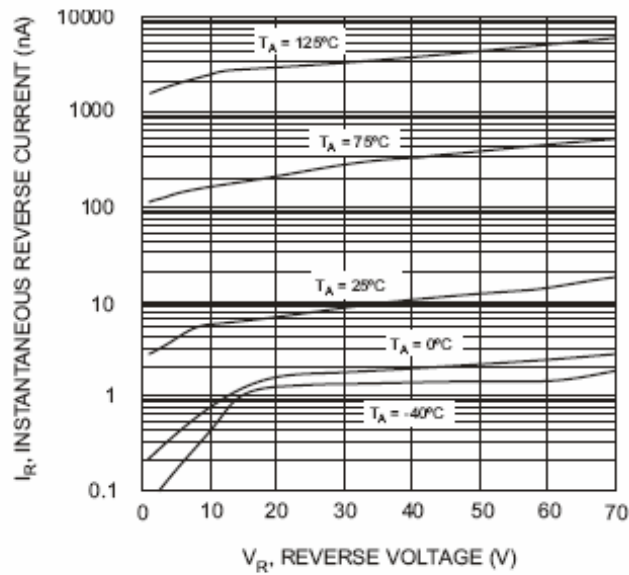


Fig. 2 Typical Reverse Characteristics