

## SURFACE MOUNT SCHOTTKY BARRIER

**VOLTAGE** 40 to 60 Volts **CURRENT** 0.35 Amperes

### FEATURES

- Very Low VF : 0.41V (Typ) at  $I_F=1\text{mA}$
- Low Capacitance : 2pF (Typ) at  $V_R=1\text{V}$
- Extremely Fast Switching Speed

### ABSOLUTE RATINGS AND THERMAL CHARACTERISTICS

| PARAMETER                                         | Symbol          | Value      |          |          | Units |
|---------------------------------------------------|-----------------|------------|----------|----------|-------|
|                                                   |                 | SD101AWS   | SD101BWS | SD101CWS |       |
| Marking                                           |                 | S2         | S3       | S4       |       |
| Maximum DC and Peak Reverse Voltage               | $V_R, V_{RRM}$  | 60         | 50       | 40       | V     |
| Maximum Forward Surge Current $t=0.01\text{ms}$   | $I_{FSM}$       | 2          |          |          | A     |
| Power Dissipation (Notes 1)                       | $P_{TOT}$       | 400        |          |          | mW    |
| Thermal Resistance, Junction to Ambient (Notes 1) | $R_{\theta JA}$ | 250        |          |          | °C/W  |
| Junction Temperature                              | $T_J$           | -55 to 125 |          |          | °C    |
| Storage Temperature                               | $T_{STG}$       | -55 to 125 |          |          | °C    |

Note : 1.FR-4 Board = 70 x 60 x 1mm.

