

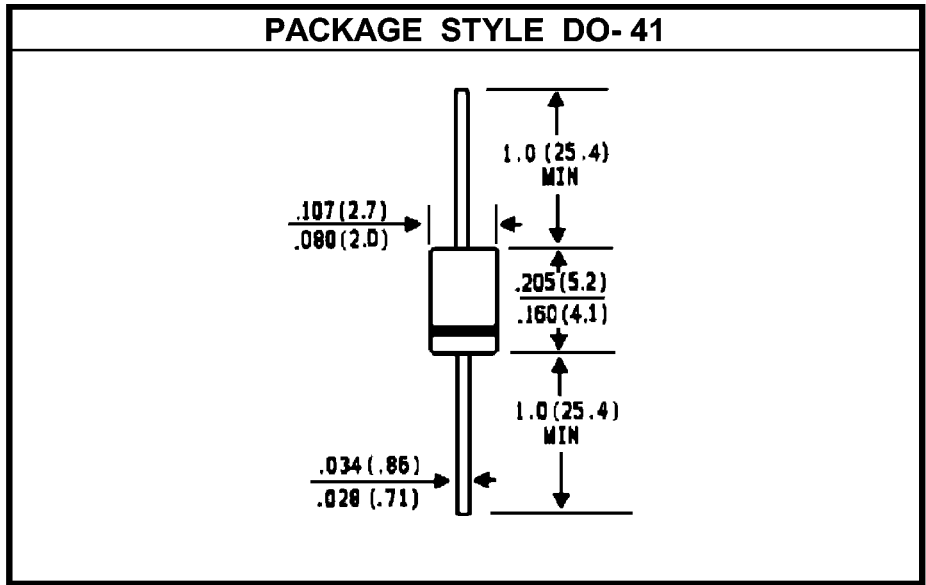
SCHOTTKY RECTIFIER

DESCRIPTION:

The **1N5819** is a General Purpose Schottky Rectifier Designed for use in Switching Power Supply Applications.

MAXIMUM RATINGS

| | |
|-----------|---|
| I_o | 1.0 A @ $T_L = 90^\circ\text{C}$ |
| V_{RWM} | 40 V |
| T_J | -65°C to $+125^\circ\text{C}$ |
| T_{STG} | -65°C to $+125^\circ\text{C}$ |


CHARACTERISTICS $T_c = 25^\circ\text{C}$

| SYMBOL | TEST CONDITIONS | MINIMUM | TYPICAL | MAXIMUM | UNITS |
|-----------|---|---------|---------|-------------------------|-------|
| I_R | $V_R = 40\text{ V}$ $T_A = 100^\circ\text{C}$ | | | 1.0 10 | mA |
| V_F | $I_F = 100\text{ mA}$ $I_F = 1.0\text{ A}$ $I_F = 3.1\text{ A}$ | | | 0.340 0.600 0.900 | V |
| I_{FSM} | $t = 8.3\text{ mS}$ 1/2 CYCLE (NON REPETITIVE) $T_L = 70^\circ\text{C}$, APPLIED TO FULL RATED LOAD | | | 25 | A |
| C_J | $V_R = 4.0\text{ V}$ $f = 1.0\text{ MHz}$ | | 110 | | pF |