

Ideal Solar Bypass Device

(under the glas mounting capability)

Description

The LX2410 provides a bypass path for a string with voltage up to 33V. In the event of cell shading, when the string voltage becomes inverted, current is redirected through the LX2410.

Unlike a diode, the LX2410 is an active device that has an extremely low voltage drop. The voltage drop across the conducting diode is typically 95mV at 10A and 110°C case temperature.

When in reverse mode, the LX2410 will block at least 33V continuously, with typically less than 100µA leakage to accommodate the maximum expected cell voltage without breakdown.

The LX2410 is in a thin package with 0.7mm max thickness. Heat is dissipated through the leads and through the package, resulting in minimal LX2410 temperature rise.

Features

- Package thickness of 0.7mm (max)
- Maximum forward current of 12.5A
- Reverse voltage up to 33V
- 0.95W power dissipation at 10A and 110°C case temperature
- 1.55W power dissipation at 12.5A and 125°C case temperature
- Low Reverse Leakage
- Superior ESD performance



Typical Application

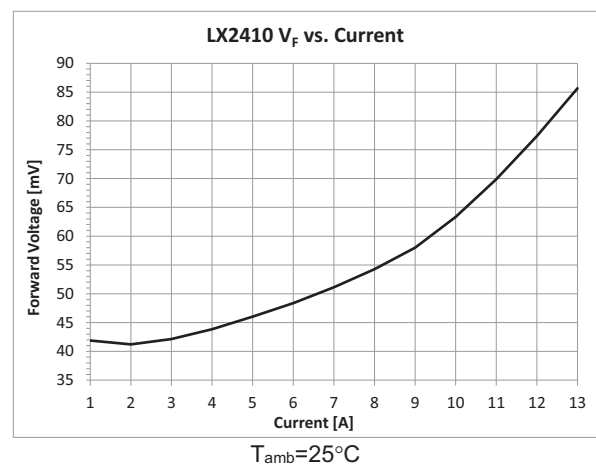
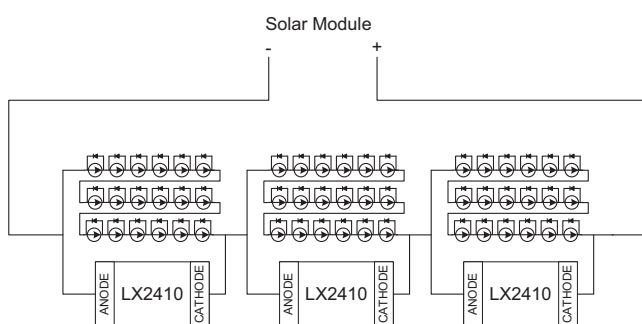


Figure 1 · Product Highlight / Typical VFWD Vs Current