

SPOL-01 / 12 Series

1A / 12A Ultra compact SMD Type Non-isolated DC-DC Regulator

The SPOL-01/12 series are 1 Ampere and 12 Ampere non-isolated programmable point-of-load DC-to-DC converter with SMD package ideal for embedded applications. Its main features include ultra-compact size, wide input range 3 ~ 14.4 Vdc, tunable output voltage from 0.6 ~ 5.5 Vdc via external resistor, wide working temperature -40 ~ +90°C, remote ON / OFF function and short circuit protection. This makes it very suitable for intermediate bus architectures found in various applications such as industrial, distributed power, telecom and datacom applications.

FEATURES

- Land Grid Array (LGA) surface mount
- Ultra compact size (SPOL-01: 12.4 x 12.4 x 4mm, SPOL-12: 12.19 x 12.19 x 3.1mm)
- Wide input range (SPOL-01: 3~14Vdc, SPOL-12: 3~14.4Vdc)
- Programmable output voltage via external resistor (SPOL-01: 0.9~5.5Vdc, SPOL-12: 0.6~5.5Vdc)
- Built-in remote ON/OFF control
- Protection: Short (Continuous)
- Ultra-wide working temperature (SPOL-01: -40~+82°C, SPOL-12: -40~+90°C)
- 3 years warranty