Features

- Compliant with IEEE 802.3 standards
- Designed for 10/100 Base-Tx VoIP and PoE
- RoHS compliant

SM13126PEL - LAN 10/100 Base-Tx VoIP Transformer (PoE) Modules

Electrical Specifications @ 25 °C

- **Turns Ratio**: 1 : 1 (±3 %)
- **OCL (@100 kHz)**: 0.1 V, 8 mA, DC Bias) .... 350 µH min.
- **Leakage Inductance** (@ 100 kHz, 0.1 V, with 1-2-3-6-7-8 Short): 9-11 = 14-16 ........... 0.5 µH max.
- **Cw/w @ 100 kHz, 0.1 V** ....... 35 pF max.
- **DCR**
  - 1-3 = 6-8 .............. 0.8 ohm max.
  - 9-11 = 14-16 ............. 1.0 ohm max.
- **Insertion Loss**
  - 1-100 MHz ..................-1.2 dB max.
  - Return Loss (@ 100 ohms)
  - 1-40 MHz ..................-16 dB min.
  - 40-100 MHz .................-10 +20 log (f/80 MHz) dB min
- **Cross Talk (between each channel)** 1-100 MHz ..................-25 dB min.
- **DCMRR (TD to TX)**
  - 1-100 MHz ..................-30 dB Min.
- **PoE Current** ............... up to 350 mA
- **Hi-Pot Test** ............... 1500 Vac, 1 mA, 60 s
- **Operating Temperature**
  - -40 °C to +85 °C
- **Storage Temperature**
  - -40 °C to +125 °C
- **Moisture Sensitivity Level** ............... 1
- **ESD Classification (HBM)** ............... N/A

Packaging Specifications

- **Tape & Reel** ............... 600 pcs./reel

How To Order

- **Model** SM13126 P E L
- **Construction**
  - P = Potted
- **Packaging**
  - E = Tape and Reel (600 pcs. per reel)
- **Termination**
  - L = Tin finish (RoHS Compliant)

Electrical Schematic

- **Dimensions**: MM (INCHES)

WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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Solder Profile

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