### Shielded Surface Mount Power Inductors

#### PHYSICAL PARAMETERS

- **Dimensions**
  - "A" and "C" are over terminals.

  - **A**: 0.166 to 0.190 inches (4.22 to 4.83 mm)
  - **B**: 0.118 to 1.34 inches (3.00 to 3.40 mm)
  - **C**: 0.118 to 1.34 inches (3.00 to 3.40 mm)
  - **D**: 0.015 inches (0.38 mm)
  - **E**: 0.054 to 0.078 inches (1.37 to 1.98 mm)
  - **F**: 0.118 inches (3.00 mm)
  - **G**: 0.066 inches (1.68 mm)

- **Operating Temperature Range**: –55°C to +125°C
- **Current Rating at 90°C Ambient**: 35°C Rise
- **Maximum Power Dissipation at 90°C**: 0.287 W
- **Inductance**: Measured at 1V with no DC current
- **Incremental Current**: The current at which the inductance will be decreased by a maximum of 10% from its initial DC value

#### MARKING

- Delevan; dash number followed by SP; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

**Example:** SP1812R-182K

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DELEVAN
182 SP
R 1804A
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#### PACKAGING

- Tape & reel (12mm): 7” reel, 650 pieces max.; 13” reel, 2500 pieces max.

#### COUPLING

- 5% Typical (Ref. M83446, 1mm spacing)

**Made In the U.S.A.**