Shielded Surface Mount Inductors

**Example:** S1812R-102K indicates a RoHS component.

- **Dash Number**: Indicates the component type.
- **Minimum**: Indicates the minimum inductance value.
- **Dissipation**: Indicates the maximum power dissipation at 90°C.
- **Current Rating**: Indicates the current rating at 90°C ambient.
- **Operating Temperature Range**: Indicates the range of operating temperatures from -55°C to +125°C.
- **Marking**: Delevan; dash number followed by an S; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
- **Actual Size**:
  - **A**: 0.166 to 0.190 inches (4.2 to 4.8 mm)
  - **B**: 0.118 to 0.134 inches (3.0 to 3.4 mm)
  - **C**: 0.118 to 0.134 inches (3.0 to 3.4 mm)
  - **D**: 0.015 inches (0.38 mm) minimum.
  - **E**: 0.054 to 0.078 inches (1.37 to 1.98 mm)
  - **F**: 0.118 inches (3.0 mm) (Ref. only)
  - **G**: 0.066 inches (1.7 mm) (Ref. only)
- **Dimensions**: "A" and "C" are over terminals.
- **Weight Max.**: (Grams) 0.15
- **Maximum Power Dissipation at 90°C**: 0.278 W

**Marking Details**:
- Example: S1812R-102K DELEVAN 102 S R 1828A

**Optional Tolerances**:
- J = 5%
- H = 3%
- G = 2%
- F = 1%

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

**Made in the U.S.A.**

For more detailed graphs, contact factory.