HIGH CURRENT SURFACE-MOUNT CERAMIC WIRE-WOUND INDUCTORS

LQH1812C SERIES

FEATURES:
- Ceramic Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q, SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

OPTIONS:
- Tape & Reel is Standard
  (Qty:500pcs.)
- Bulk packaging Available
  for Smaller Quantities
- Tolerance:K=10%,M=20% is
  Standard, Tighter Tolerances Available

COMMON APPLICATIONS:
- Modems PDP, LCD TVs converter
- Mobile Radios DC/DC converter
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System, xDSL Filter
- Computer Products and Peripherals

PHYSICAL CHARACTERISTICS

Typical part marking

Recommended Layout

DIMENSIONS:

INCHES

Electronical Schematic

TECHNICAL INFORMATION

- Inductance Testing: HP4291A, HP16193A, HP4286A or equivalent
- PDC, QuadTech 1880 Milliohmeter
- Q: HP4342A
- SRF: HP4191A
- Rated Current: L value drop10% typ. at DC against its initial value
- Temperature rise 40°C Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave, Reflow
- Operating Temperature: −25°C to +85°C
- Storage Temperature: −55°C to +125°C
Note: All specifications subject to change without notice.

LQH1812C−100M

Model

Value/Tolerance: from table

Termination

L=Ag/Ni/Sn
Blank=Ag/Ni/Sn/Pb