HIGH CURRENT SHIELDED SURFACE-MOUNT WIRE-WOUND INDUCTORS

LQH1210S SERIES

FEATURES:
- Ferrite shielded structure
- 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:2000pcs.)
- Bulk packaging Available
  for Smaller Quantities
- Tolerance: K=10%, M=20% is
  Standard, Tighter Tolerances Available

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

STANDARD SPECIFICATION

<table>
<thead>
<tr>
<th>Part Number (LQH 1210S Series)</th>
<th>L (µH)</th>
<th>L Test Freq (KHz)</th>
<th>Q (Min)</th>
<th>Q Test Freq (MHz)</th>
<th>SRF (MHz)</th>
<th>DCR (Ω Max)</th>
<th>IDC (mA Max)</th>
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<tr>
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Note: 1. K= ± 10%, M= ± 20%

PHYSICAL CHARACTERISTICS

DIMENSIONS: INCHES

ELECTRICAL SCHEMATIC

TECHNICAL INFORMATION
- Inductance Testing: HP4291A/HP16193A/HP4286A or equivalent
- DCR:QuadTech 1680 Milliohmometer
- Q: 0-HP4492A
- SRF: HP4191A
- Rated Current: L value drop 10% typ at 125°C 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.