LRHQ30 Low Resistance High Q Chip Inductors

**Features**
- Miniature chip inductor wound on special ferrite core
- Wide inductance range
- Low DC resistance
- High Q value at high frequencies

**Electrical**
- Inductance Range: 1µH ~ 2200µH
- Tolerance: 20% over entire range also available in tighter tolerances
- Operating Temp: -40°C to +125°C
- Rated Current: Max temperature rise 35°C. Inductance drop 10% typ.
- L/Q: Test OSC @ 1V

**Resistance to Soldering Heat**
- Pre-Heat 150°C, 1 minute.
- Solder Composition: Sn/Ag3.0/Cu0.5
- Solder Temp: 260°C ± 5°C for 10 sec.

**Test Equipment**
- L/Q: HP4192A
- (RDC): Chen Hwa 502BC
- Rated Current: HP4284A + HP42841A
- (SRF): HP4286A

**Physical**
- Packaging: 500 pieces per 7 inch reel.
- Marking: EIA Inductance Code

### Dimensions: Inches (mm)

<table>
<thead>
<tr>
<th>Allied Part Number</th>
<th>Inductance (µH)</th>
<th>Tolerance (%)</th>
<th>LQ Test Freq.</th>
<th>Q Min.</th>
<th>SRF Min. (MHz)</th>
<th>DCR Max. (Ω)</th>
<th>Rated Current (A)Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRHQ30-1R0M-RC</td>
<td>1.0</td>
<td>20</td>
<td>1MHz/1MHz</td>
<td>20</td>
<td>0.20</td>
<td>0.5</td>
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<tr>
<td>LRHQ30-1R2M-RC</td>
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<td>20</td>
<td>1MHz/1MHz</td>
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<td>0.20</td>
<td>0.5</td>
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<tr>
<td>LRHQ30-1R5M-RC</td>
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<td>20</td>
<td>1MHz/1MHz</td>
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<td>0.30</td>
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<td>LRHQ30-1R8M-RC</td>
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<td>20</td>
<td>1MHz/1MHz</td>
<td>20</td>
<td>0.30</td>
<td>0.5</td>
<td></td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.