### LT20 Ferrite Core Chip Inductors Low Profile

#### Dimensions: Inches (mm)

<table>
<thead>
<tr>
<th>Allied Part Number</th>
<th>Inductance (µH)</th>
<th>Tolerance (%)</th>
<th>Q Typ.</th>
<th>L/Q Test Freq. (MHz)</th>
<th>SRF Min. (MHz)</th>
<th>DCR Max. (Ω)</th>
<th>IDC (mA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT20-1R0K-RC</td>
<td>1.0</td>
<td>10</td>
<td>20</td>
<td>7.96/7.96</td>
<td>350</td>
<td>0.45</td>
<td>1500</td>
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<td>1300</td>
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<td>20</td>
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<td>310</td>
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<td>1.15</td>
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<td>350</td>
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</table>

### Features
- Low Profile only 1.05mm max height
- Exceptional Q values
- Wide inductance range

### Electrical
- **Inductance Range:** 1.0µH ~ 22µH
- **Tolerance:** 10% over entire range also available in tighter tolerances
- **Operating Temp:** -25°C ~ +85°C
- **IDC:** Current at which inductance drops 10% from its initial value without current.
- **L/Q:** Test OSC @ 200mV

### 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 ± 1 sec.

### Test Equipment
- (L/Q): HP4286A / HP4287A / Agilent E4991A
- (RDC): Chen Hwa 502BC
- (IDC): HP4284A + HP42841A / HP4285A + HP42841A
- (SRF): HP8753D / Agilent E4991

### Physical
- **Packaging:** 2000 pieces per 7 inch reel.
- **Marking:** 3 Dot color code system

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**All specifications subject to change without notice.**