SCM20 USB 2.0 Common Mode Choke

Features
- Miniature SMD common mode filter
- Excellent noise attenuation in a small package
- Suitable for automated assembly
- SCM series offers wide impedance range
- Excellent solderability

Electrical
- Impedance range: 90 Ω to 2200 Ω
- Tolerance: 20% over entire range
- Test Frequency: 100MHz
- Withstand Voltage: 125Vdc Max
- Operating Temp: -40ºC ~ 105ºC
- IDC: Inductance drop 10% Typ. from original value with no current
- DCR: Single Wire Test Value

Resistance to Solder Heat
- Pre-Heat 150ºC, 1 minute
- Solder Composition: Sn/Ag3.0/Cu0.5
- Solder Temp: 260ºC peak for 10 sec.
- Test time: 6 minutes

Test Equipment
- (Z): HP4286A / HP4287A / Agilent E4991A
- (DCR): Chen Hwa 502BC
- Single wire test value
- Insulation Resistance: HP4339B
- (IDC): HP4284A with HP42841A / HP4285A with HP42841A

Physical
- Packaging: 2000 pieces per 7 inch reel
- Marking: None

Dimensions:

<table>
<thead>
<tr>
<th>Allied Part Number</th>
<th>Impedance (Ω)</th>
<th>Tolerance (±%)</th>
<th>Test Freq. (MHz)</th>
<th>Rated Voltage Vdc</th>
<th>Insulation Resistance (MΩ (min))</th>
<th>DCR Max. (Ω)</th>
<th>IDC (mA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCM20-900M-RC</td>
<td>90</td>
<td>20</td>
<td>100</td>
<td>50</td>
<td>10</td>
<td>0.3</td>
<td>370</td>
</tr>
<tr>
<td>SCM20-121M-RC</td>
<td>120</td>
<td>20</td>
<td>100</td>
<td>50</td>
<td>10</td>
<td>0.3</td>
<td>370</td>
</tr>
<tr>
<td>SCM20-161M-RC</td>
<td>160</td>
<td>20</td>
<td>100</td>
<td>50</td>
<td>10</td>
<td>0.4</td>
<td>340</td>
</tr>
<tr>
<td>SCM20-221M-RC</td>
<td>220</td>
<td>20</td>
<td>100</td>
<td>50</td>
<td>10</td>
<td>0.4</td>
<td>320</td>
</tr>
<tr>
<td>SCM20-261M-RC</td>
<td>260</td>
<td>20</td>
<td>100</td>
<td>50</td>
<td>10</td>
<td>0.5</td>
<td>310</td>
</tr>
<tr>
<td>SCM20-601M-RC</td>
<td>600</td>
<td>20</td>
<td>100</td>
<td>50</td>
<td>10</td>
<td>0.8</td>
<td>260</td>
</tr>
<tr>
<td>SCM20-102M-RC</td>
<td>1000</td>
<td>20</td>
<td>100</td>
<td>50</td>
<td>10</td>
<td>1.0</td>
<td>230</td>
</tr>
<tr>
<td>SCM20-222M-RC</td>
<td>2200</td>
<td>20</td>
<td>100</td>
<td>50</td>
<td>10</td>
<td>1.2</td>
<td>200</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.