Flexible circuit board materials
LCP(Liquid Crystal Polymer)

Applications
- Smartphone (Antenna module), Laptop, Tablet PC, 4K/8K display (High-speed FPC cable), Automotive component, Etc.

Suitable for high-speed large-volume data transmission of mobile devices with good high frequency property. It is suitable for replacement of micro coaxial cable and millimeter-wave radar antenna.

<table>
<thead>
<tr>
<th>Concept</th>
<th>Micro coaxial cable AWG-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission loss (dB/10cm)</td>
<td>Thin</td>
</tr>
<tr>
<td>Large</td>
<td>Small</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General properties</th>
<th>Test method</th>
<th>Condition</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solder heat resistance</td>
<td>JIS C 6471</td>
<td>288℃ solder float for 1min</td>
<td>No abnormality</td>
</tr>
<tr>
<td>Dielectric constant (Dk)</td>
<td>19GHz</td>
<td>Balanced-type circular disk resonance</td>
<td>A</td>
</tr>
<tr>
<td>Dissipation factor (Df)</td>
<td>10GHz</td>
<td>Cavity resonance</td>
<td>A</td>
</tr>
<tr>
<td>Water absorption</td>
<td>Internal method</td>
<td>25℃ 50h immersion</td>
<td>%</td>
</tr>
<tr>
<td>Peel strength</td>
<td>ED:18μm IPC-TM-650 2.4.9</td>
<td>A</td>
<td>N/mm</td>
</tr>
</tbody>
</table>

The sample thickness is 0.1mm.

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Please see the page for "Notes before you use" 商品のご採用に当たっての注意事項はこちら