1X4 RJ45 Connector  AR14-3761IR

- 10/100 Base-T Ethernet Application
- With Green and Yellow LED’S
- Impedance: 100OHMS
- Transmit open circuit inductance (OCL): 350uH (MIN) @100KHz, 0.1VRMS with 8mA DC Bias
- RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
- Industrial Temp: -40ºC to +85ºC
- Contact factory for Standard Operating Temp.
- Storage temperature range: -40ºC to +85ºC
- Suitable for Reflow Soldering

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(uH Min) @ 100kHz, 0.1V</th>
<th>Turns Ratio (±2%)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>With 8mA DC Bias</td>
<td>chip: cable</td>
<td>1-100MHz</td>
<td>1-30MHz</td>
</tr>
<tr>
<td>AR14-3761IR</td>
<td>350</td>
<td>1:1</td>
<td>-1.0</td>
<td>-18</td>
</tr>
</tbody>
</table>

**Electrical Specifications @ 25°C**

<table>
<thead>
<tr>
<th>Cross Talk (dB Min)</th>
<th>CMR (dB Min)</th>
<th>CDMR (dB Min)</th>
<th>HI-POT (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5-1MHz</td>
<td>50</td>
<td>-40</td>
<td>1500</td>
</tr>
<tr>
<td>10MHz</td>
<td>-40</td>
<td>-40</td>
<td>-35</td>
</tr>
<tr>
<td>50MHz</td>
<td>-40</td>
<td>-40</td>
<td>-35</td>
</tr>
<tr>
<td>100MHz</td>
<td>-30</td>
<td>-30</td>
<td>-30</td>
</tr>
</tbody>
</table>

**MECHANICAL**

All specifications subject to change without notice.
1. Shield - 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u" MIN.
2. Housing - Standard Material FR-52 (PA6T)
   UL94V-0 Standard Color Black.
3. RJ Terminal - FR-52 (PA6T) UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all and Sn 100%, and
   6u" Gold Plating.
4. Input Terminal - Plastic: FR-52 (PA6T), UL94V-0,
   Standard Color Black.
   Pin: 0.35mm SUS430.
   Plating: Nickel 40u"-60u" for all and Sn 100%. 
Panel Cut out

NOTE:
THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.