1X4 RJ45 Connector

- 10/100 Base T for Ethernet Application
- 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
- Standard operating temp: 0°C to +70°C
- Contact factory for Industrial Temp.
- Storage temperature range: -40°C to +85°C

### 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>AR14-3692</td>
<td>350</td>
<td>1:1</td>
<td>1-100MHz</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 10MHz 50MHz 100MHz</td>
<td>0.3-1MHz 10MHz 30MHz 100MHz</td>
<td>0.3-1MHz 10MHz 30MHz 100MHz</td>
<td>1.0mA/3Sec.</td>
</tr>
</tbody>
</table>

### MECHANICAL

- Dimensions:
  - Width: 21.540.38
  - Height: 13.8
  - Depth: 5.56

- Connector dimensions:
  - 58.40
  - 55.34

All specifications subject to change without notice.
1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 30u"-50u"
2. Housing- Standard Material Nylon 66, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. RJ Terminal- Plastic: PBT UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all and Sn 100%, and
   15u" Gold Plating.
4. Input Terminal- Plastic: PBT, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm SUS430.
   Plating: Nickel 40u"-60u" for all and Sn 100%.