10 Base-T for Ethernet Applications

Standard operating temp: 0°C to +70°C

RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Turns Ratio (± 2%)</th>
<th>Cross Talk (dB Min)</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min) @ Load 100 Ohm</th>
<th>CMR (dB Min)</th>
<th>HI-POT 1.0mA (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR11-4009</td>
<td>1CT:1CT</td>
<td>-30</td>
<td>-1.0</td>
<td>-15</td>
<td>-50</td>
<td>1500</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

![Mechanical Dimensions](image)
1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u" Min.
2. Housing- Standard Material LCP, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. RJ Terminal- Plastic: Nylon66, UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all and Sn 100%, and
   6u" and 50" Gold Plating.
4. Input Terminal: Nylon66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness SUS430.
   Plating: Nickel 40u"-60u" for all and Sn 100%.