- 10/100 Base-T Ethernet Application
- Impedance: 100OHMS
- RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
- Standard Operating Temp: 0ºC to +70ºC
- Contact Factory for Industrial Temp.
- Available in other Circuit Designs
- Optional Gold Plating Thickness
- Other LED Patterns available

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias</th>
<th>Turns Ratio (chip: cable (±2%))</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR28-3771</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-1.0</td>
<td>-12</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) 0.5mA/2Sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5-1MHz</td>
<td>10MHz</td>
<td>50MHz</td>
<td>100MHz</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL
1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 30u"-50u"
2. Housing- Standard Material Nylon66, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. Insert Pin- Plastic: PBT +30% GF, UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all and Sn 100%, and
   30u" Gold Plating.
4. Contact Pin: Nylon66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C2680.
   Plating: Nickel 40u"-60u" for all and Sn 100%.