• 10/100 Base-T Ethernet Application
• Impedance: 100OHMS
• RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
• Industrial Operating Temp: -40ºC to +85ºC
• 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) 1-100MHz</th>
<th>Return Loss (dB Min) 1-30MHz, 30-60MHz, 60-80MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARSM11-3687I</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-1.0</td>
<td>-18, -18-20Log(F/30MHz) -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 10MHz 50MHz 100MHz</td>
<td>0.3-1MHz 10MHz 30MHz 100MHz</td>
<td>0.3-1MHz 10MHz 30MHz 100MHz</td>
<td>0.5mA/2Sec. 1500</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

[Diagram of mechanical specifications]
1. Shield - 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 30u"-50u"


   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all and Sn 100%, and 6u" Gold Plating.

4. Input Terminal - LCP, Glass Filled, UL94V-0, Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C2680.
   Plating: Nickel 40u"-60u" for all and Sn 100%.