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
- Contact factory for Standard Temp.
- Available in other Circuit Designs
- Optional Gold Plating Thickness

**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>ARSM11-3653I</td>
<td>350</td>
<td>1CT:1CT</td>
<td>-1.0</td>
<td>-18</td>
</tr>
</tbody>
</table>

<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 60MHz 100MHz 0.3-1MHz 10MHz 30MHz 60MHz 100MHz</td>
<td>30MHz 60MHz</td>
<td>1500</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

**MECHANICAL**

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[Image of mechanical specifications]
1. Shield - 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 30μ"-50μ"
2. Housing - Standard Material LCP, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. RJ Terminal - Plastic: LCP, UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40μ"-60μ" for all and Sn 100%, and
   6μ" Gold Plating.
4. Input Terminal: LCP, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C2680.
   Plating: Nickel 40μ"-60μ" for all and Sn 100%.