Single Port SMD RJ45  

ARSM11-3878I

- 10/100/1000 Base-T
- Impedance: 100OHMS
- RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
- Industrial Temp: -40ºC to +85ºC
- Contact Factory for Standard 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</th>
<th>Turns Ratio chip: cable (±2%)</th>
<th>Cross Talk (dB Min)</th>
<th>Hi-Pot</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>With 8mA DC Bias</td>
<td>0.5-10MHz 30MHz 50MHz 100MHz</td>
<td>1CT:1CT -1 -40 -35 -18</td>
<td>Without Capacitance With Capacitance</td>
</tr>
<tr>
<td>ARSM11-3878I</td>
<td>350</td>
<td>-1.0</td>
<td>1500</td>
<td>2250</td>
</tr>
</tbody>
</table>

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min) @ Load 100 Ohm</th>
<th>CMR (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-100MHz 100-125MHz(10/100/1000) 1-30MHz 30-50MHz 60MHz 60-80MHz 80-100MHz(10/100/1000) 1-100 MHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARSM11-3878I</td>
<td>-1.0</td>
<td>-38</td>
<td>-18</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.

### MECHANICAL

![Diagram of Single Port SMD RJ45](image-url)
1. Shield- 0.25mm THICKNESS BRASS C2680 H. PLATING NICKEL
2. Housing- Standard Material: FR52, Glass filled
   Polyester UL94V-0 Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 30μ"-50μ" for all and Sn 100%, and 6μ" Gold Plating.
4. Input Terminal: Plastic: FR52, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5191.
   Plating: Nickel 30μ"-50μ" for all and Sn 100%.