**FEATURES:**
- Available with or without LED
- Suitable CAT 5 & 6 cable and UTP
- Comply IEEE 802.3ab
- LAN Magnetic with RJ4
- Suitable for RoHS compliant reflow

**STANDARD SPECIFICATIONS at 25°C**

**Operating temperature range**: -40°C to +85°C  
**Storage temperature range**: -40°C to +85°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Turns Ratio ± 5%</th>
<th>EMI Fingers</th>
<th>LEDs</th>
<th>Insertion Loss (dB max)</th>
<th>Return Loss (dB MIN @100Ω±15Ω)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TX</td>
<td>RX</td>
<td>L/R</td>
<td>0.3-100 MHz</td>
<td>1-30 MHz</td>
</tr>
<tr>
<td>ARJ1G-MASA-A-B-ELT2</td>
<td>1CT:1</td>
<td>1CT:1</td>
<td>No</td>
<td>Gr/Y</td>
<td>-20</td>
</tr>
<tr>
<td>ARJ1G-MASA-A-B-FLT2</td>
<td>1CT:1</td>
<td>1CT:1</td>
<td>No</td>
<td>G/Y</td>
<td>-20</td>
</tr>
<tr>
<td>ARJ1G-MBSB-MU2</td>
<td>1CT:1</td>
<td>1CT:1</td>
<td>No</td>
<td>N/A</td>
<td>-18</td>
</tr>
<tr>
<td>ARJ1G-MBSC-MU2</td>
<td>1CT:1</td>
<td>1CT:1</td>
<td>No</td>
<td>N/A</td>
<td>-18</td>
</tr>
<tr>
<td>ARJ1G-MBSL-LU2</td>
<td>1CT:1</td>
<td>1CT:1</td>
<td>No</td>
<td>N/A</td>
<td>-18</td>
</tr>
<tr>
<td>ARJ1G-MBSE-MU2</td>
<td>1CT:1</td>
<td>1CT:1</td>
<td>No</td>
<td>N/A</td>
<td>-18</td>
</tr>
</tbody>
</table>

**APPLICATIONS:**
- 10/100 Base-T LAN
- NIC, LoM and PC

Contact Abracon for more custom configurations. See options to build a custom configuration.

**OPTIONS AND PART IDENTIFICATION**

**ARJ11G**

**Mechanical**
- MA, MB  
  (Please see mechanical section)

**Schematic**
- SA ~ SE  
  (Please see schematic section)

**Left LED color**
- (e.g. B for Yellow, AB for Green-Yellow)
  - Blank: No LED  
    - A: Green  
    - B: Yellow  
    - C: Amber  
    - D: Orange

**Right LED color**
- (e.g. B for Yellow, AB for Green-Yellow)
  - Blank: No LED  
    - E: F (Please see 7.0 LED polarity section)

**LED polarity**
- A: Green  
- B: Yellow  
- C: Amber  
- D: Orange

**Turns Ratio (Tx)**
- K: 1CT:1.41  
- L: 1CT:1  
- M: 1CT:1CT  
- N: 1.414:1CT  
- O: 1CT:1.41CT  
- P: 1:2CT  
- Q: 1:1.414CT  
- R: 1CT:2.5

**Turns Ratio (Rx)**
- S: 1CT:1.41  
- T: 1CT:1  
- U: 1CT:1CT  
- V: 1.414:1CT  
- W: 1CT:1.41CT  
- X: 1:2CT  
- Y: 1:1.414CT  
- Z: 1CT:2.5

**Gold plating**
- 1: 3u "  
- 2: 6u "  
- 3: 15u "  
- 4: 30u "  
- 5: 50u "

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CERTIFIED  

REVISED: 04-25-22
MECHANICAL DIMENSIONS

Dimension: mm. All tolerances are ±0.25 unless otherwise specified.
RJ45 10/100 Base-T Jack with Magnetic Module

ARJ11G

RoHS Compliant

16.10 x 16.85 x 17.00mm

SCHEMATICS

LED POLARITY
RJ45 10/100 Base-T Jack with Magnetic Module

ARJ11G

RoHS Compliant

16.10 x 16.85 x 17.00 mm

PACKING: 60pcs/tray

Packaging material: PET

Outer carton unit 1320 pcs/ 22 Trays/box

REFLOW PROFILE:

Peak temperature(Tp) : 250± 10°C
Peak temperature(Tp) time : 5sec max

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