# RJ45, Single Port, Tap Up, Thru-Hole, 100 Base-T

## ARJE-0029

#### **FEATURES**:

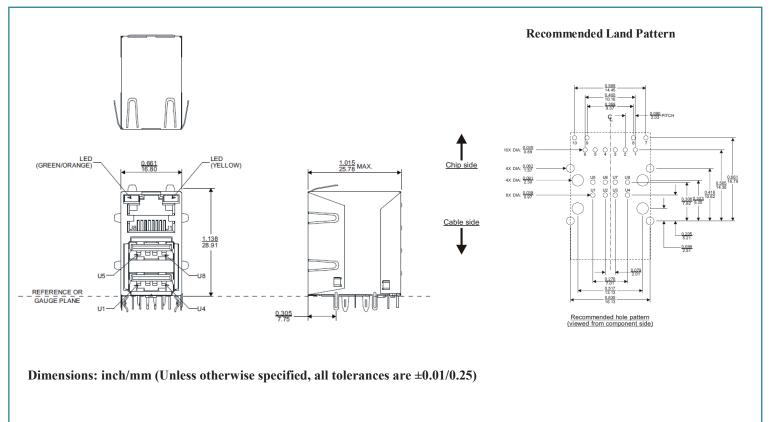
- Compliant with IEEE802.3 standard
- 350uH minimum OCL with 8mA bias current
- High performance for maximum EMI suppression
- High reliability 750 mating/unmating cycles
- Suitable for compact PCB design due to RJ45/Dual USB stacked design

#### **STANDARD SPECIFICATIONS**

### **Operating temperature range: 0°C to +70°C Storage temperature range: -40°C to +85°C**

| Parameters       | Minimum  | Typical | Maximum | Units | Notes                  |
|------------------|----------|---------|---------|-------|------------------------|
| Turn Ratio (±3%) | 1CT:1CT  |         |         |       |                        |
| Inductance       | 350      |         |         | uH    | 100kHz, 0.1Vrms, 8mADC |
| Insertion Loss   |          |         | -1.0    | dB    | 0.1-100MHz             |
| Return Loss      | -16.0    |         |         |       | 1-30MHz                |
|                  | -13.5    |         |         | dB    | 30-60MHz               |
|                  | -12.0    |         |         |       | 80MHz                  |
| Crosstalk        | -30.0    |         |         | dB    | 0.1-100MHz             |
| CMRR             | -30.0    |         |         | dB    | 0.1-100MHz             |
| Hipot            | 1500Vrms |         |         |       | Pri to Sec             |

#### > MECHANICAL DIMENSIONS









#### 16.80 x 28.91 x 25.78mm

- > APPLICATIONS:
  - Designed for most leading PHY IC manufacturers such as Broadcom, Marvell, Microsemi.
  - Supports 10/100 Base-T applications

**RoHS/RoHS II Compliant** 

• Provides signal conditioning, EMI suppression and signal isolation.

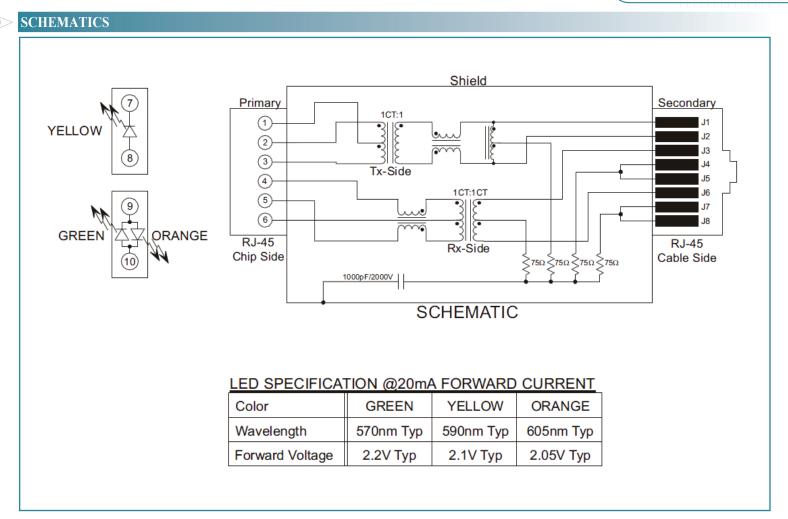
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### **RoHS/RoHS II Compliant**



16.80 x 28.91 x 25.78mm



### Packing: 50pcs/tray

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