



ARJ-202

Request Samples



Check Inventory



31.20 x 13.55 x 25.45mm
RoHS/RoHS II Compliant
MSL Level = N/A

Features

- Compliant with IEEE802.3 standard
- Tab up RJ45 Jack 1 X 2
- High performance for maximum EMI suppression
- 350 μ H minimum OCL with 8mA bias current
- RoHS peak wave solder temperature 260°C

Applications

- Support 1000 Base-T Auto MDIX application with Bi-Color LEDs
- Wide temperature range(-40°C~85°C)
- Ethernet Switches, Hubs, LAN-on-Motherboard (LOM) and ADSL
- Suitable CAT 3, 5e & 6 cable and UTP
- Provides signal conditioning, EMI suppression and signal isolation

Electrical Specifications

| Parameters | Minimum | Typical | Maximum | Units | Notes |
|--------------------------|-------------------|---------|---------|---------|-----------------|
| Operating Temperature | -40 | | +85 | °C | |
| Storage Temperature | -40 | | +85 | °C | |
| Turn Ratio ($\pm 3\%$) | | 1CT:1CT | | | Tx |
| | | 1CT:1CT | | | Rx |
| Inductance (OCL) | 350 | | | μ H | 100KHz/0.1V@8mA |
| Insertion Loss | | | -1.0 | dB | 1-100MHz |
| Return Loss | -18 | | | dB | 1-10MHz |
| | -16 | | | | 10-30MHz |
| | -14 | | | | 30-60MHz |
| | -12 | | | | 60-80MHz |
| | -10 | | | | 80-100MHz |
| Cross Talk | -35 | | | dB | 1-100MHz |
| CMR | -35 | | | dB | 1-100MHz |
| Hi-Pot | 1500Vrms/1mA/1Sec | | | | Pri to Sec |



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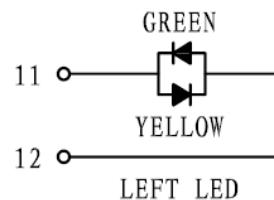
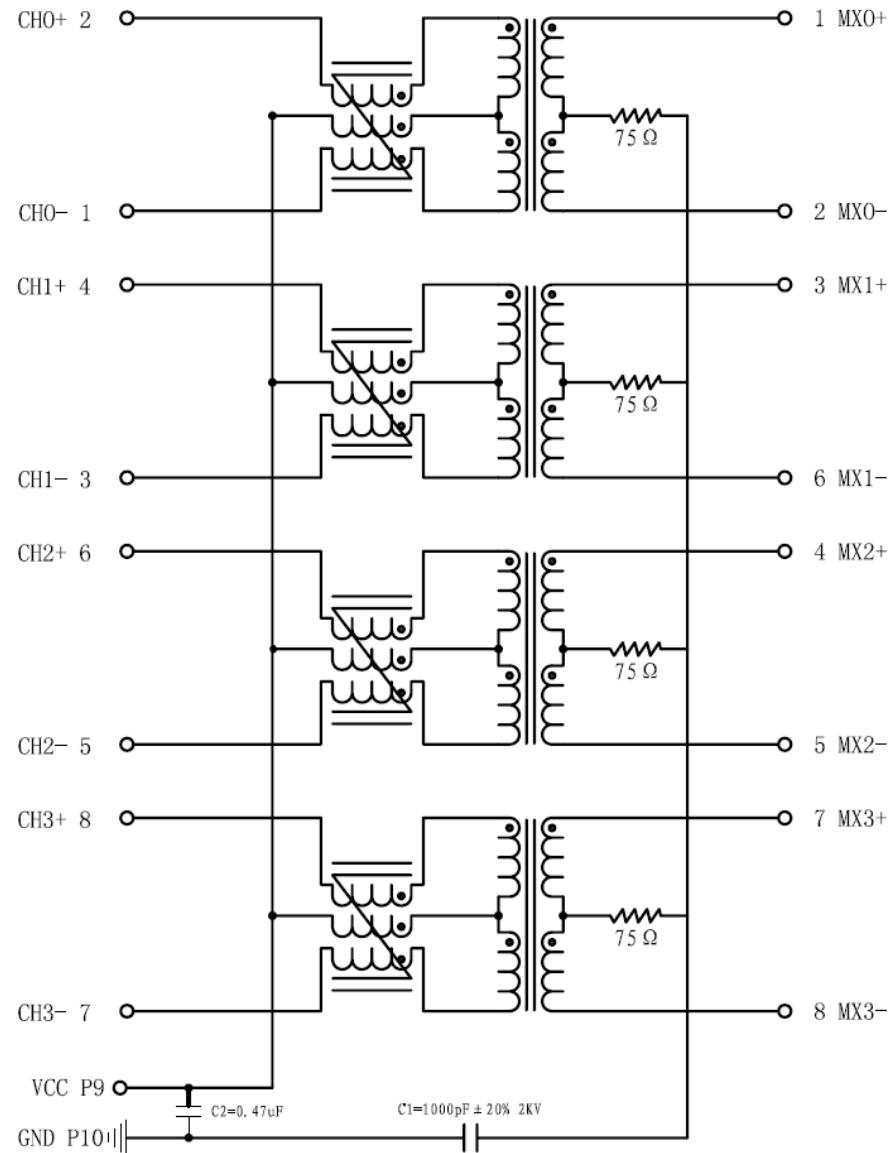


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Schematic



RJ45 1000Base-T, 1X2, Tab Up w/ LEDs, Extended Temperature



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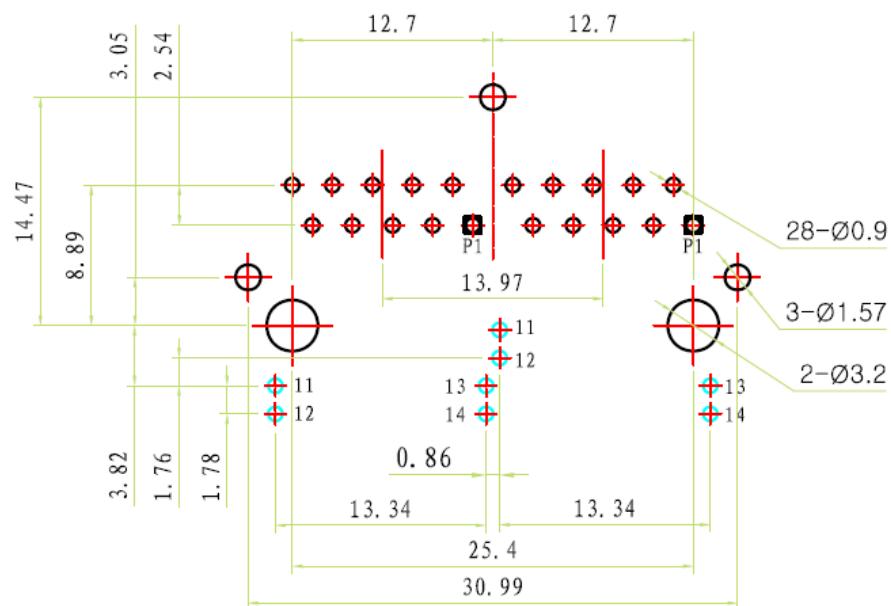
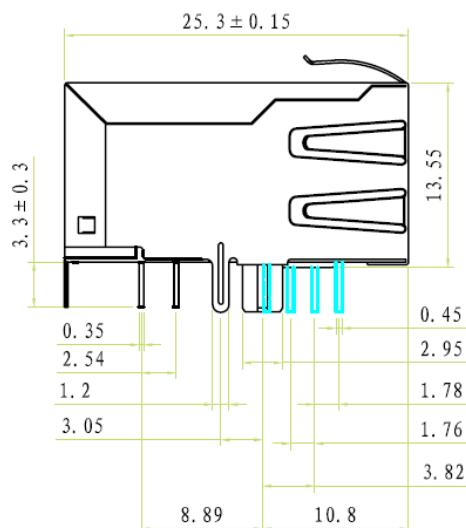
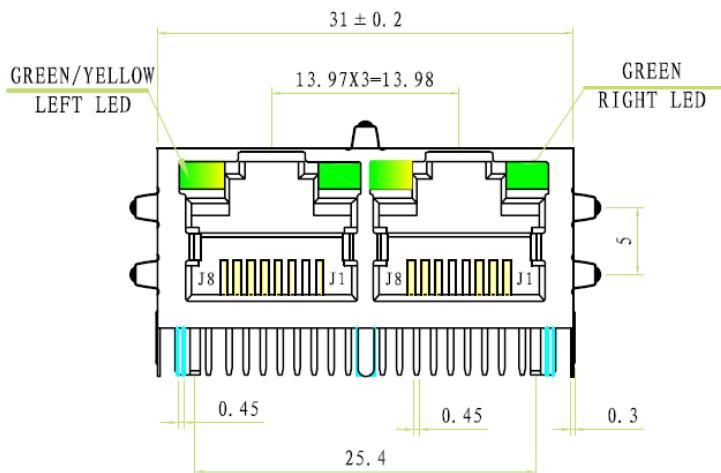


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Mechanical Specifications



Dimensions: mm

 **ABRACON**

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ABRACON IS
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CERTIFIED

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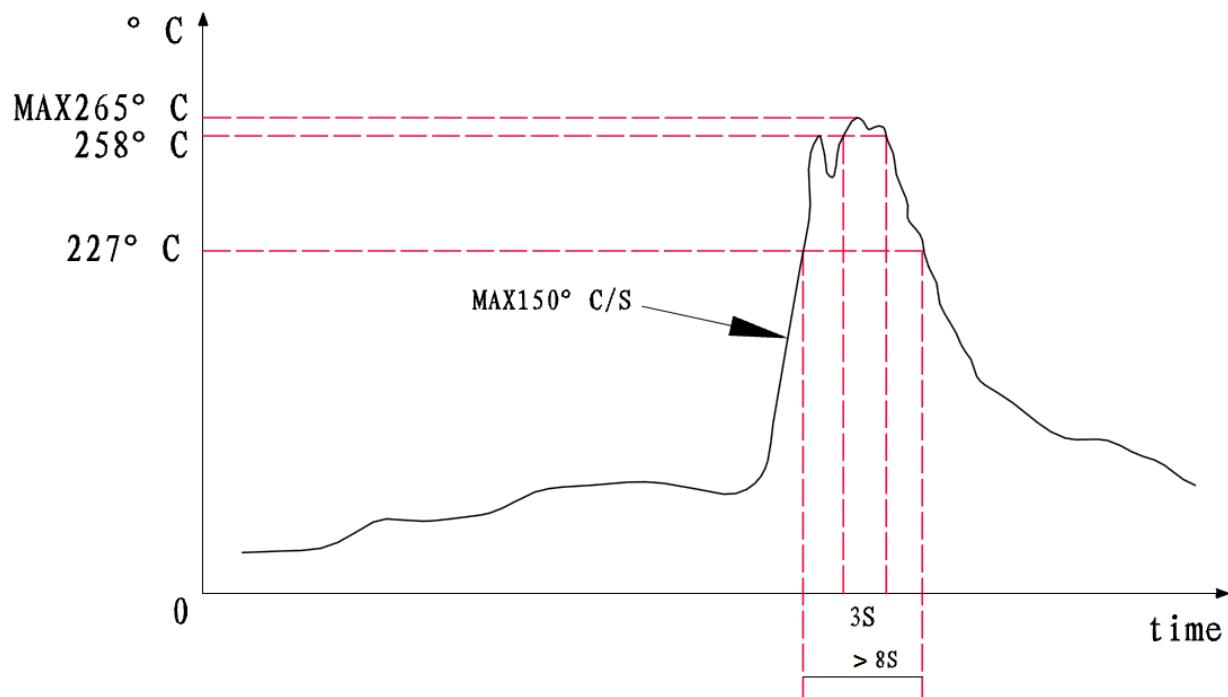


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Wave Profile



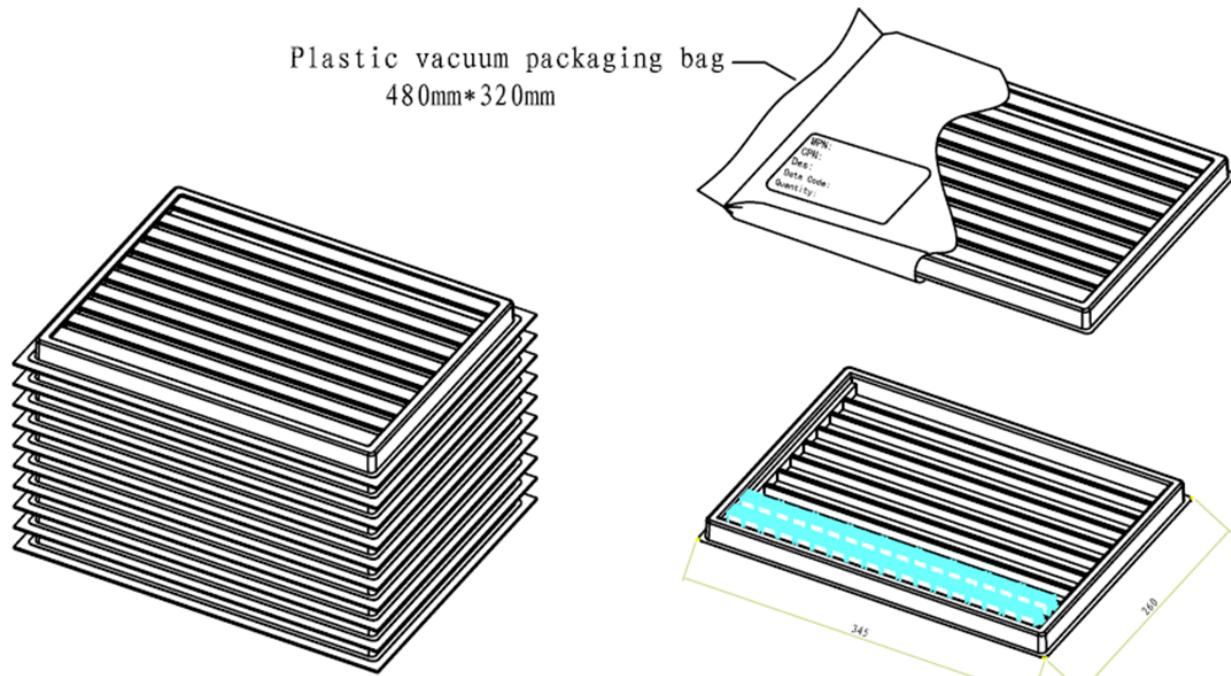
| Zone | Description | Temperature | Times |
|------|-------------|--------------------|-----------|
| 1 | Peak heat | T_p 260°C±5°C | 3sec. MAX |

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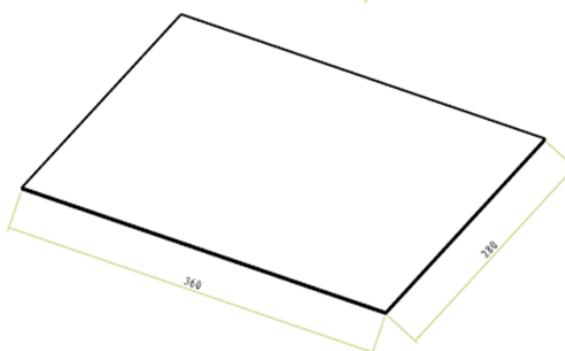
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Packaging

Packing: 90 pcs/tray
Packaging Material: PC Plastic



1. Inner Package: L=345mm; W=260mm; H=20mm;
2. There are 10 slot grids on the tray and There 9 Pcs In the slot grids.
3. Paste ROHS label and barcode label.
4. Material: PC Plastic.



Dimensions: mm

ATTENTION: Abracon LLC's products are Commercial-Off-The-Shelf (COTS, which are designed, intended and validated for use in commercial, industrial and automotive applications. The customer is responsible for testing and verifying the performance of an Abracon solution to meet their system-level requirements.