

ECN/PCN No.: M1721

For Manufacturer			
Product Description: RJ45 1000Base-T, 1X2, Tab Up w/ LEDs Extended Temperature	Abracon Part Number / Part Series: ARJ-202A	<input type="checkbox"/> Documentation only <input type="checkbox"/> ECN <input checked="" type="checkbox"/> EOL	<input type="checkbox"/> Series <input checked="" type="checkbox"/> Part Number(s)
Affected Revision: A	New Revision: EOL	Application:	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety
Prior to Change: Product Life Cycle Status: ACTIVE			
After Change: Product Life Cycle Status: DISCONTINUED			
Cause/Reason for Change: No demand for this configuration			
Change Plan			
Effective Date: 4/17/2026	Additional Remarks:		
Change Declaration: Product is being discontinued.			
Issued Date: 4/17/2026	Issued By: Gerald Capwell	Issued Department: Engineering	
Approval: Gerald Capwell Director, Engineering	Approval: Reuben Quintanilla Quality Director	Approval: Ying Huang Purchasing Director	
For Abracon EOL only			
Last Time Buy (if applicable):		Alternate Part Number / Part Series:	
Additional Approval:	Additional Approval:	Additional Approval:	
Customer Approval (If Applicable)			
Qualification Status:			
<input type="checkbox"/> Approved <input type="checkbox"/> Not accepted			
<i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>			
Customer Part Number:		Customer Project:	
Company Name:	Company Representative:	Representative Signature:	
Customer Remarks:			

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



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	1500V _{rms} /1mA/1Sec				Pri to Sec

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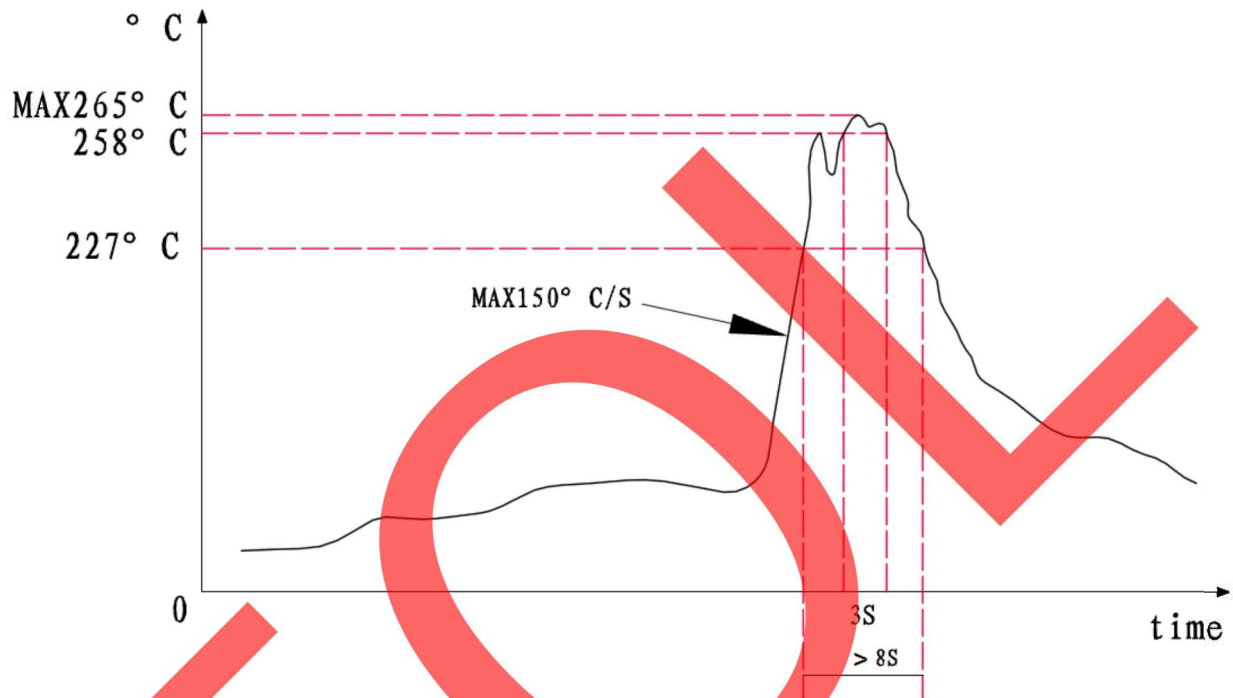


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Wave Profile



Zone	Description	Temperature	Times
1	Peak heat	T _p 260°C±5°C	3sec. MAX

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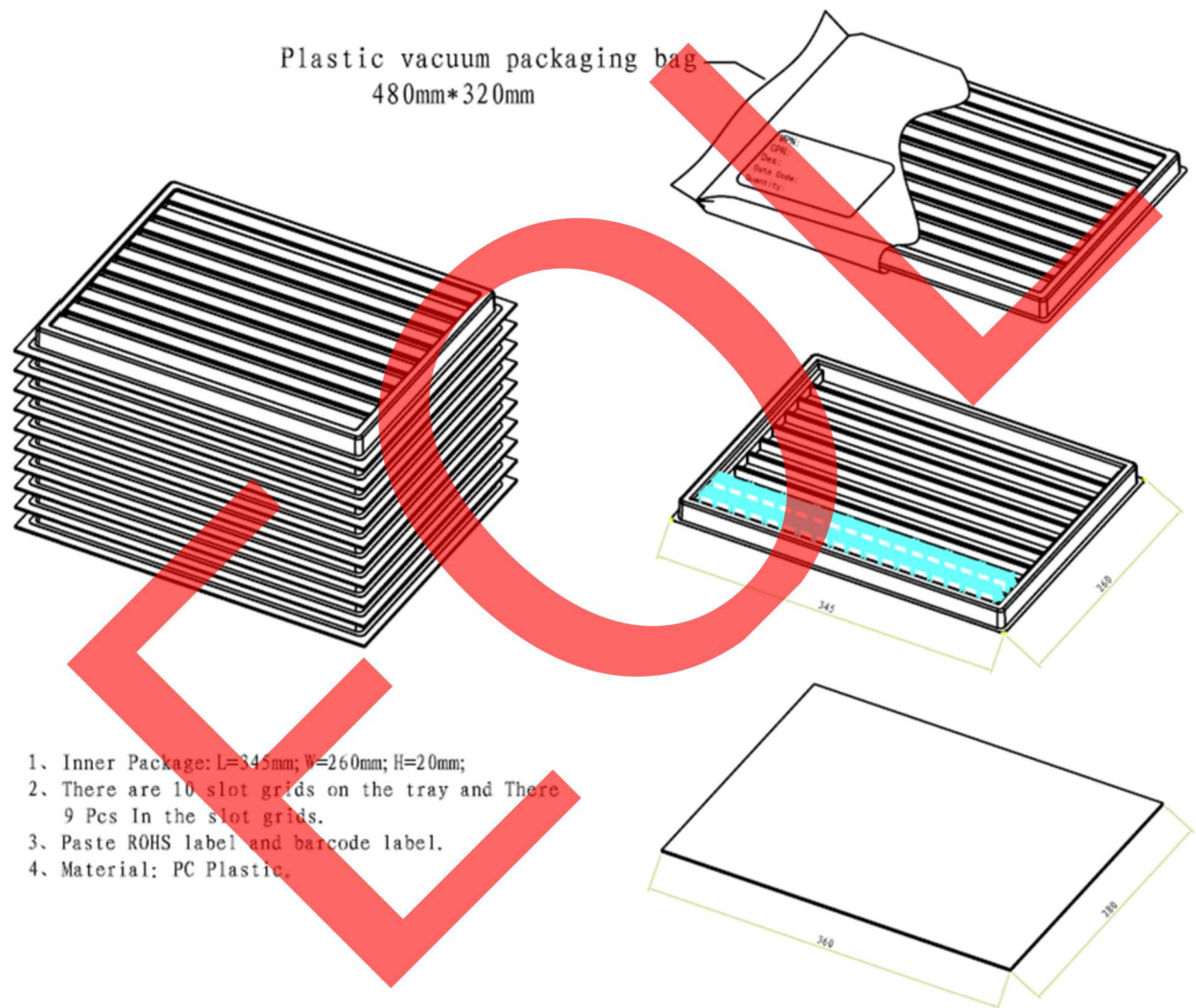
Check Inventory



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Packaging

Packing: 90 pcs/tray
Packaging 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.



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For terms and conditions of sales, please visit:
www.abracon.com

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