## RJ45 1000 Base-T / Dual USB Combo Jack, w/ LEDs, Ext Temp

**ARJ-150A** 

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



18.85 x 27.40 x 30.52mm

### **FEATURES:**

- Compliant with IEEE802.3ab standard
- Tab up RJ45 Jack + 2USB Combo
- High performance for maximum EMI suppression
- 350µH minimum OCL with 8mA bias current
- RoHS peak wave solder temperature 260°C

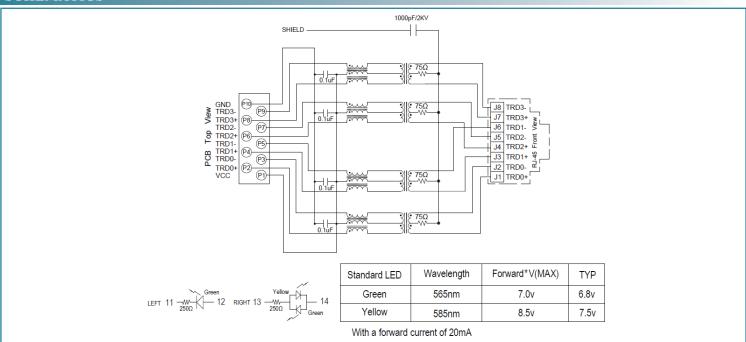
### > APPLICATIONS:

- Support 1000 Base-T applications w/ Bi-Color LEDs
- Extended Temperature (-40°C~85°C)
- Network Interface Cards(NIC), LAN-on-Motherboard(LOM) and PC
- Suitable CAT 3, 5e & 6 cable and UTP
- Provides signal conditioning, EMI suppression and signal isolation

#### > STANDARD SPECIFICATIONS

Parameters	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	-40		+85	°C	
Storage Temperature	-40		+85	°C	
Turn Ratio (± 5%)	1CT:1CT				Tx
	1CT:1CT				Rx
Inductance (OCL)	350			μН	100KHz/0.1V@8mA
Insertion Loss			-1.0	dB	1-100MHz
Return Loss		-20		dB	1-10MHz
		-16			30MHz
		-12			60-80MHz
Cross Talk	-40			dB	1-10MHz
	-35				32-60MHz
	-30				60-100MHz
CMR		-30		4D	1-50MHz
		-20		dB	50-130MHz
Hi-Pot	1500Vrms/1mA/1Sec				Pri to Sec

#### **SCHEMATICS**





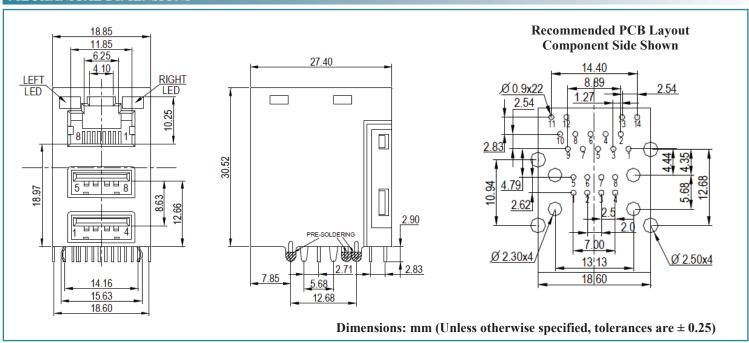
## RJ45 1000 Base-T / Dual USB Combo Jack, w/ LEDs, Ext Temp

ARJ-150A

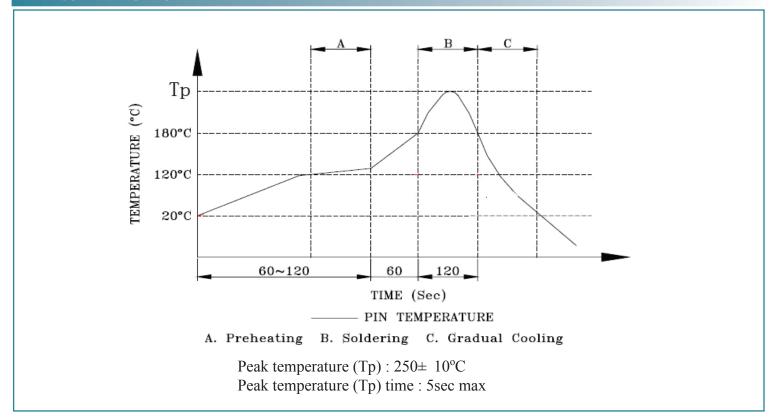




#### MECHANICAL DIMENSIONS



#### WAVE SOLDERING PROFILE







## RJ45 1000 Base-T / Dual USB Combo Jack, w/ LEDs, Ext Temp

ARJ-150A

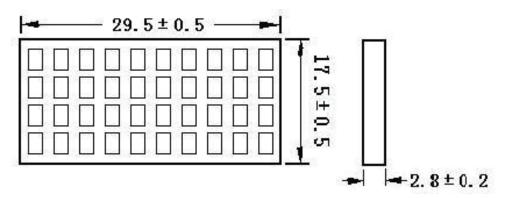




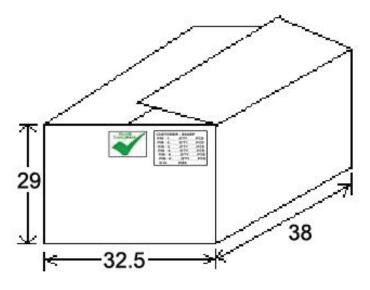
### PACKING: 44pcs/tray

Packaging 40pcs/tray

**Packaging Material: PET** 



Outer carton unit (optional): 640 pcs/16 trays/box



**Dimensions: cm** 

**ATTENTION:** Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependent Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.





# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:
ARJ-150A