

# 10/100 Base-Tx Tap Down RJ45 with LED

ARJC02-111006K

RoHS/RoHS II Compliant



16.0 x 13.55 x 21.1mm

## 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

## APPLICATIONS:

- Designed for most leading PHY IC manufacturers such as Broadcom, Marvell, Microsemi.
- Supports 10/100 Base-T applications
- Provides signal conditioning, EMI suppression and signal isolation.

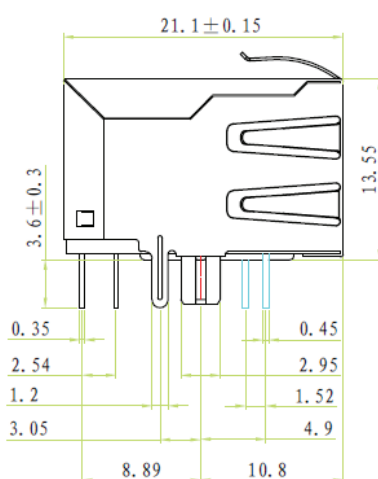
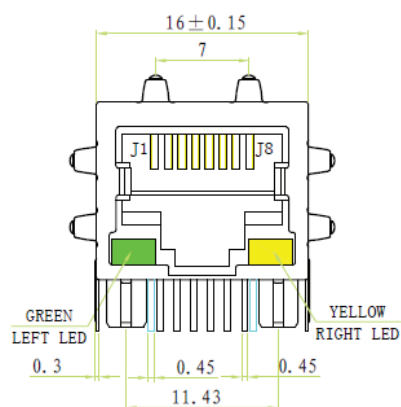
## STANDARD SPECIFICATIONS

Operating temperature range: 0°C to +70°C Storage temperature range: -25°C to +85°C

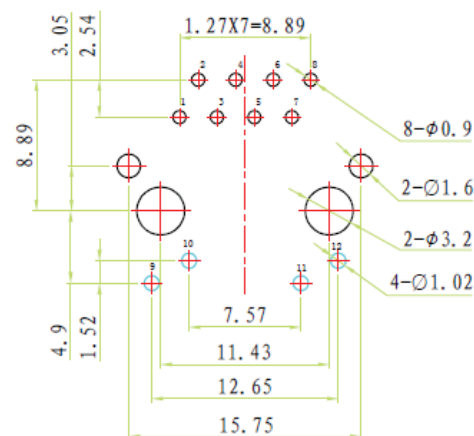
Standard Electrical Specifications @25°C

Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio ( $\pm 3\%$ )	1CT:1CT				Tx and Rx
Inductance	350			$\mu\text{H}$	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
CMR	-35			dB	1-100MHz
Crosstalk	-35			dB	1-100MHz
Hipot	1500Vrms/1mA/1s				

## MECHANICAL DIMENSIONS



## Recommended Land Pattern



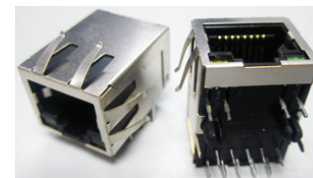
Dimensions: mm



# 10/100 Base-Tx Tap Down RJ45 with LED

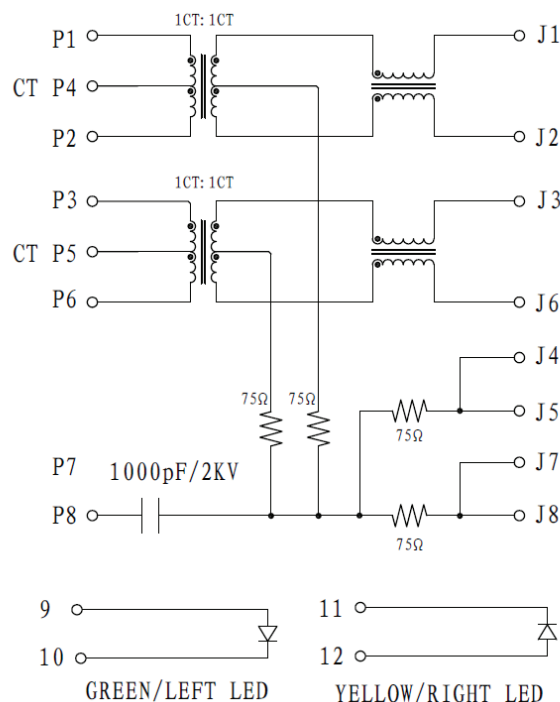
ARJC02-111006K

RoHS/RoHS II Compliant



16.0 x 13.55 x 21.1mm

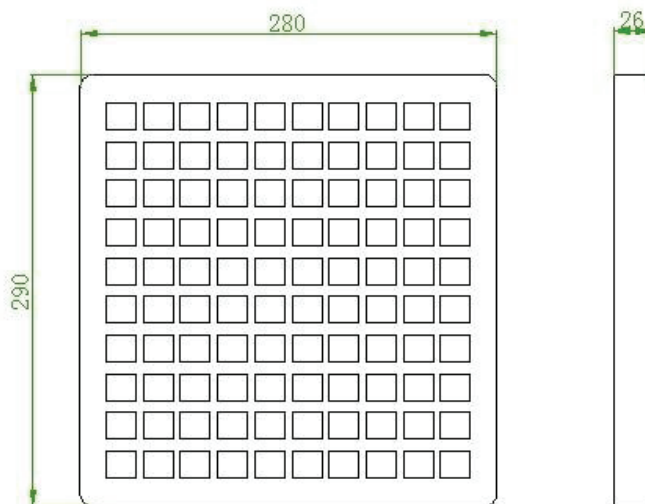
## SCHEMATICS



- ◆ CAPACITOR: 1000pF ± 25% 2KV.
- ◆ RESISTANCE: 75OHMS ± 20%.
- ◆ RESISTANCE OF COIL: 1.80HMS MAX, 0.250HMS MIN.

## PACKING:

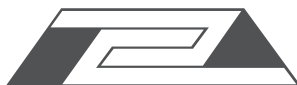
Packing: (100pcs/tray)



Dimensions: mm

**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-dependant 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.

ABRACON IS  
ISO 9001:2008  
CERTIFIED



**ABRACON**  
CORPORATION

Visit [www.abracon.com](http://www.abracon.com) for Terms & Conditions of Sale  
30332 Esperanza, Rancho Santa Margarita, California 92688  
tel 949-546-8000 | fax 949-546-8001 | [www.abracon.com](http://www.abracon.com)

Revised: 12.26.13

# Mouser Electronics

Authorized Distributor

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

[ABRACON:](#)

[ARJC02-111006K](#)