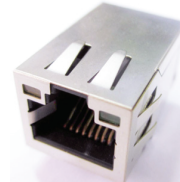


10/100 Base-Tx Tap Up RJ45 with LED

ARJC01-111002L

RoHS/RoHS II Compliant



16.2 x 13.55 x 25.3mm

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

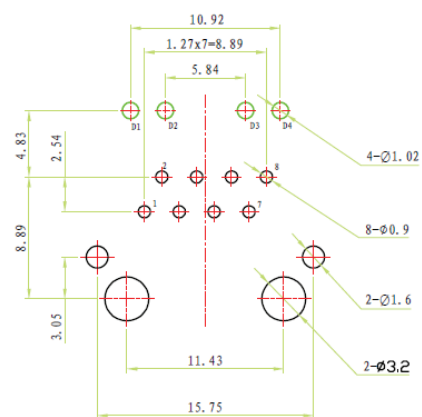
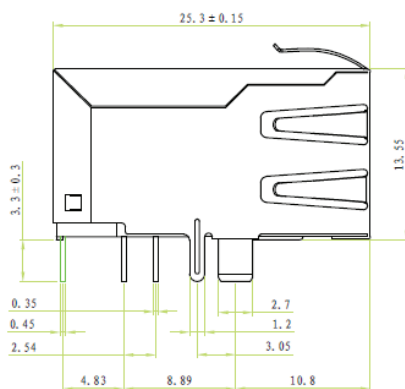
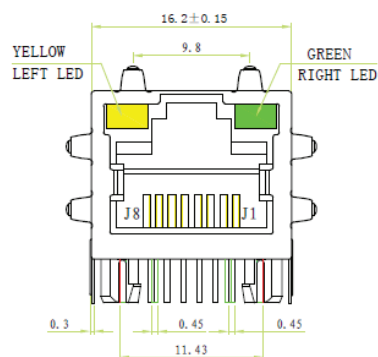
Operating temperature range: -40°C to +85°C Storage temperature range: -25°C to +70°C

Standard Electrical Specifications @25°C

Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio ($\pm 3\%$)	1CT:1CT				Tx and Rx
Inductance	350			μH	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

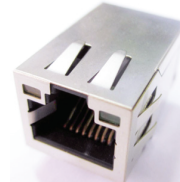


Dimensions: mm

10/100 Base-Tx Tap Up RJ45 with LED

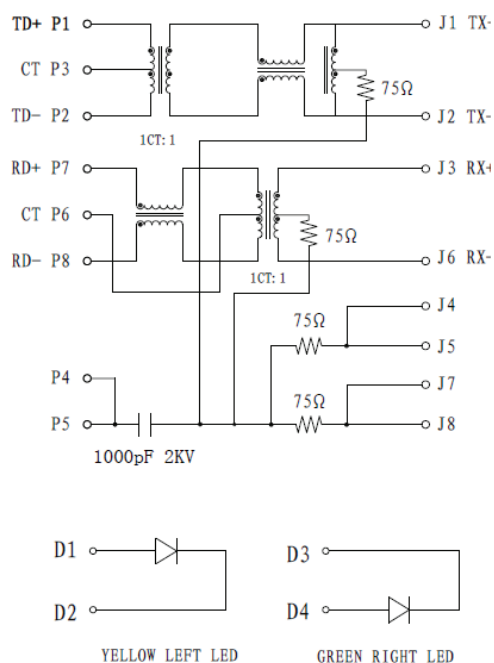
ARJC01-111002L

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16.2 x 13.55 x 25.3mm

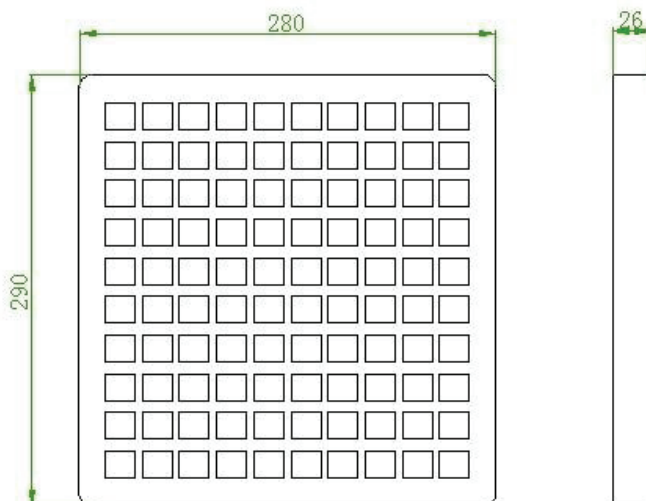
SCHEMATICS



- ◆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
ISO9001:2008
CERTIFIED

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