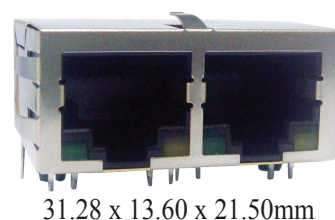


RJ45 10/100 Base-T 2x1 with Magnetic Module

ARJ-177

RoHS/RoHS II Compliant



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

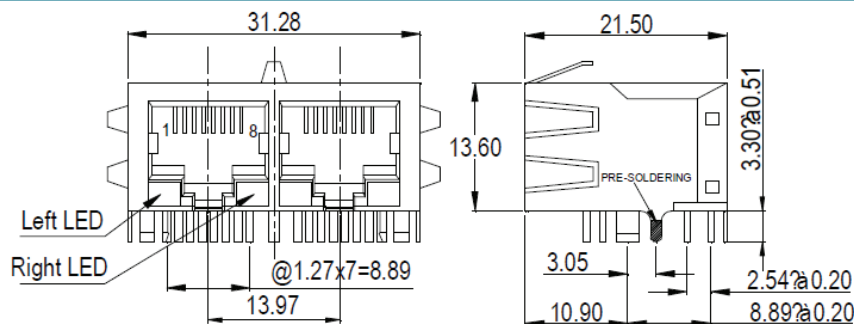
Operating temperature range: -40°C to +85°C

Storage temperature range: -40°C to +85°C

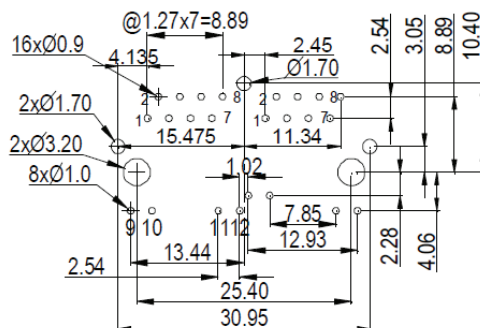
Operating Life: 750 Cycles MIN.

Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio ($\pm 5\%$)	1CT:1CT				
Inductance	350			μH	100kHz/0.1V@8mA
Insertion Loss		-1.2		dB	0.3-100MHz
Return Loss		-18		dB	1-10MHz
		-16			30MHz
		-12			60-80MHz
Crosstalk		-40		dB	1-10MHz
		-35			30-60MHz
		-30			60-100MHz
CMR		-30		dB	1-50MHz
		-20			50-130MHz
Hipot	1500Vrms				Pri to Sec

MECHANICAL DIMENSIONS

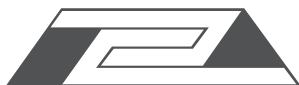


Recommended Land Pattern (Component Side)



Dimensions: mm (Unless otherwise specified, all tolerances are ± 0.25)

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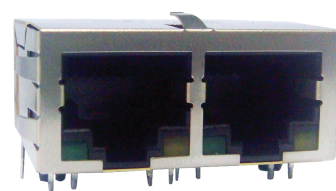
Visit www.abracon.com for Terms & Conditions of Sale
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RJ45 10/100 Base-T 2x1 with Magnetic Module

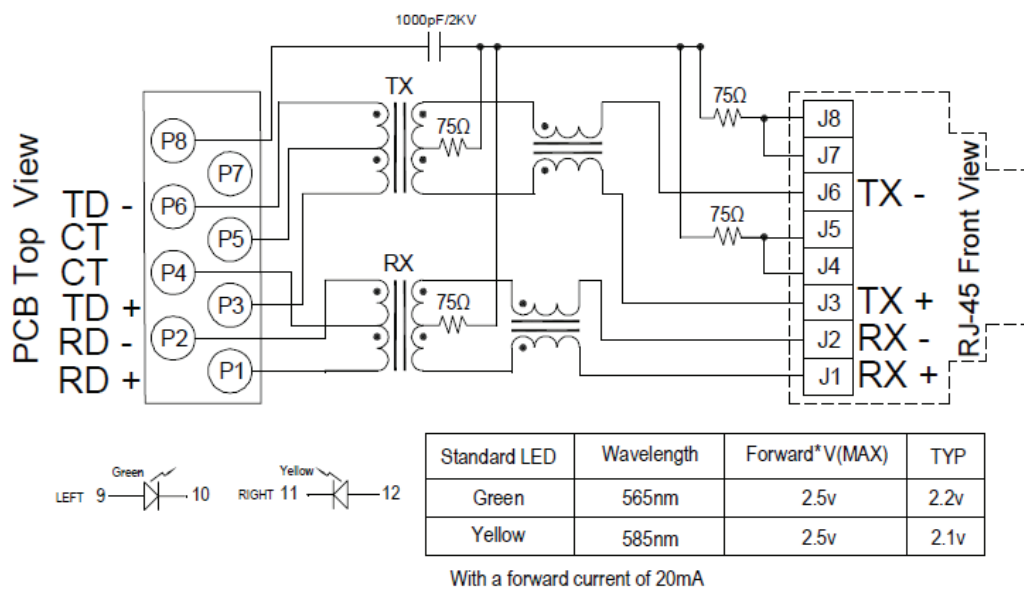
ARJ-177

RoHS/RoHS II Compliant

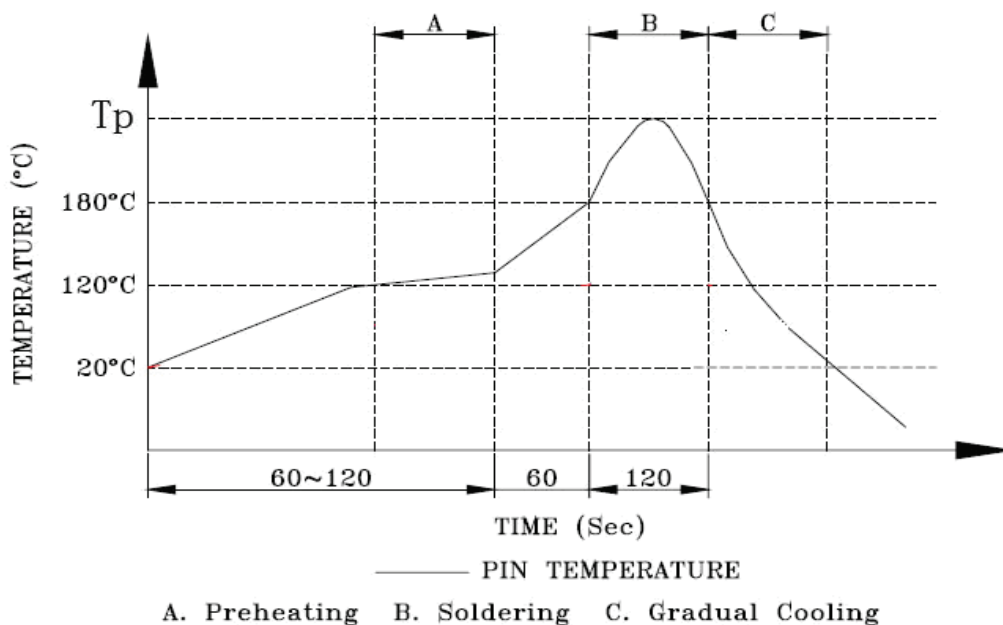


31.28 x 13.60 x 21.50mm

SCHEMATICS

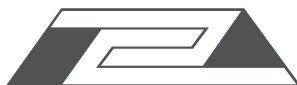


PROFILE OF WAVE SOLDERING



Peak temperature(Tp) : 250± 10°C

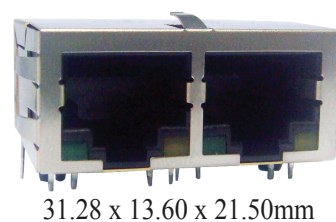
Peak temperature(Tp) time : 5sec max



RJ45 10/100 Base-T 2x1 with Magnetic Module

ARJ-177

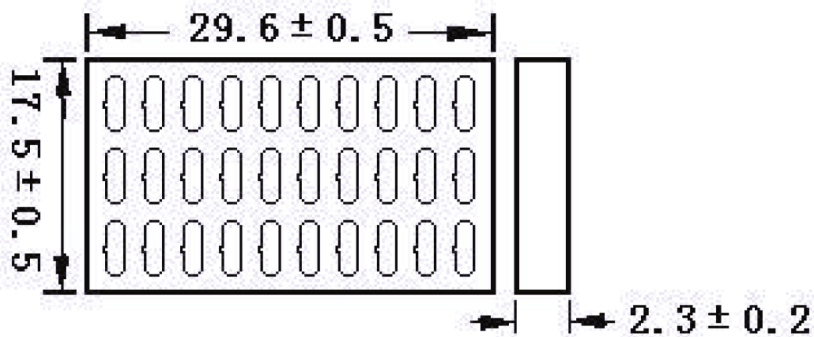
RoHS/RoHS II Compliant



TAPE & REEL:

Packing: (30pcs/tray)

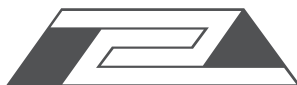
Packaging material: PET



Dimensions: cm

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