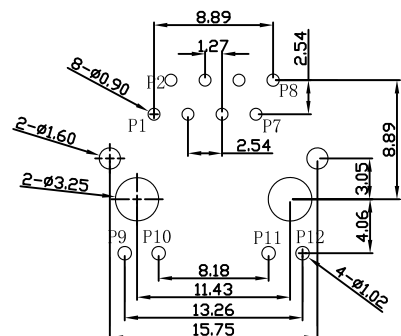
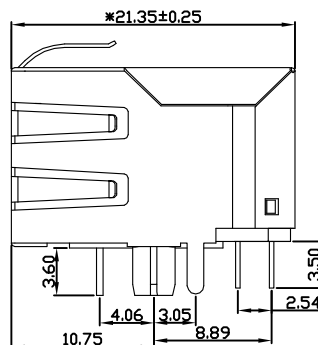
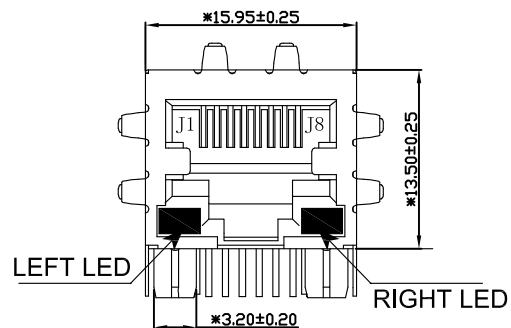
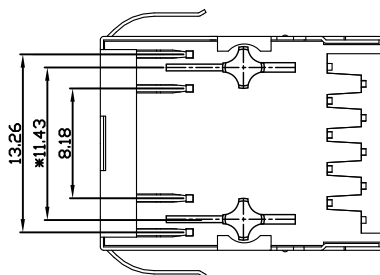


MECHANICAL:



P.C.B. B RECOMMENDED HOLE LAYOUT SEEN FROM COMPONENT SIDE.
ALL CENTERLINE DIMENSIONS ARE BASIC



Metal Shell : Copper Alloy, Finish: 30u" Nickel
Housing : Thermoplastic,PBT,UL 94V-0,Black
Insert : Thermoplastic,PBT,UL 94V-0,Black
Contact Terminal/phosphor Bronze
6u" Gold on Contact Area, 100u" Tin on Solder,
Both over 50u" Nickel Under-Plated
Coil Base : Phenolic,PBT,UL 94V-0,Black
Terminal/Copper Alloy T=0.35mm Thickness

Meets or exceeds IEEE 802.3 standard for 10/100 Base-TX
350uH minimum OCL with 8mA Bias current
Available with or without LEDs
Minimum 1500Vrms isolation per IEEE802.3 requirement
Operating temperature 0°c to +70°c
Storage temperature -40°c to +85°c

LED ELECTRICAL CHARACTERISTIC

Green	9	10	Yellow	11	12
LEFT LED			RIGHT LED		

Standard LED	Wavelength	Forward V (Min/Max)	Forward A	Type
Green	568nm	1.8V/2.8V	20mA	squareness
Yellow	585nm	1.8V/2.8V	20mA	squareness



Champyang International Ltd., Co

FILE NO : ARJ10(Series)	TITLE 圖 名	RJ45 Connector With Transformer With LED 10/100Base Tab-down 1x1 Port			UNIT 單位	mm inch
TOLERANCE(公差): 0.000 mm $\pm$ 0.075 mm 0.00 mm $\pm$ 0.15 mm 0.0 mm $\pm$ 0.25 mm	PART NO. 料 號	ARJ10-010808-321-S3L2T5-C			SCALE 比例	1 : 1
	DRAWN BY 製 圖	Ben	DATE 日 期	2020-03-16	REV. 版本	A0
	CHECKED BY 審 核	Allen	DATE 日 期	2020-03-16		

A0	RELEASED	Allen	2020-03-16
REV	DESCRIPTION.	APPD.	Date

ELECTRICAL SPECIFICATIONS@25°C UNLESS OTHERWISE NOTED:

1.Turn Ratio(+/-2%):1CT:1CT

2.Inductance OCL:

350uH Min @100KHz 0.1V DC BIAS 8mA

3.Insertion Loss:

-1.0dB Max @1.0-100MHz

4.Return Loss:

-20dB Min @1-10MHz

-16dB Min @10-30MHz

-12dB Min @30-60MHz

-10dB Min @60-100MHz

5.Cross talk:

-40dB Min @1-30MHz

-35dB Min @30-60MHz

-30dB Min @60-100MHz

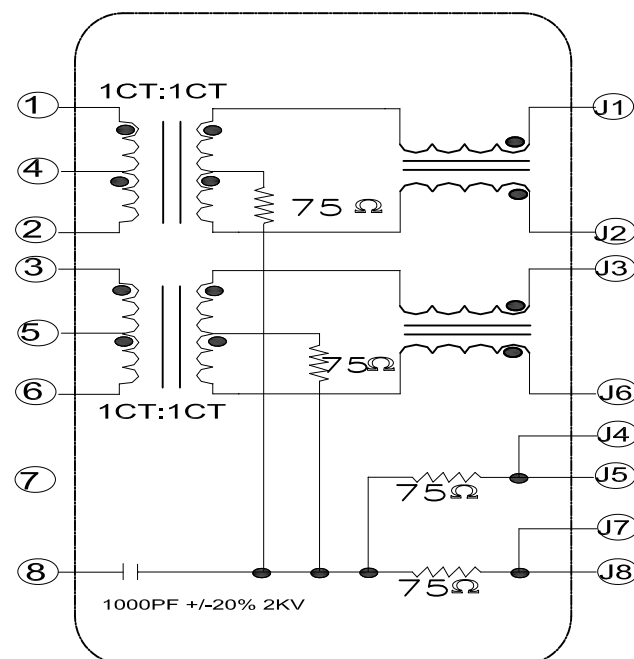
6.Common Mode Rejection:

-35dB Min @1-100MHz

-20dB Min @50-150MHz

7.HIPOT TEST:1500Vrms 1mA.Max

SCHEMATICS:



Champyang International Ltd., Co

A0	RELEASED	Allen	2019-11-26
REV	DESCRIPTION.	APPD.	Date

FILE NO : ARJ10 (Series)		TITLE 圖 名		Transformer 10/100Base		UNIT 單位	mm inch
TOLERANCE(公差): 0.000 mm ± 0.075 mm 0.00 mm ± 0.15 mm 0.0 mm ± 0.25 mm		PART NO. 料 號		ARJ10-T5		SCALE 比例	1:1
		DRAWN BY 製 圖	Ben	DATE 日期	2019-11-26	REV. 版本	A0
		CHECKED BY 審 核	Allen	DATE 日期	2019-11-26		