

版次	ECN 编码	描述		设计/日期
1	EL24050068	初版发行		江蒙_2024/05/27
		改前	改后	

Emitting Color	λp (nm)	Vf @ If=20mA	Ir @ Vr=5V
Green	565	1.7V~2.6V	10uA max.
Yellow	585	1.7V~2.6V	10uA max.

RECOMMENDED PCB LAYOUT



TOLERANCE TABLE	SCALE	2.5:1	DRAWN	江蒙	DATE	2024/05/27	DWG. NO.	600-0000-2450	TITLE	RJ45 IMC,2X4, 1GBASE-T,POE+	REV.	1
	UNIT	mm	CHECK	李晨涛	DATE	2024/05/27		PARTS NO.(INTENDED USE)		JAADGXAXCDXH	CUSTOMER DRAWING	SHEET
	.X ± 0.30	X.° ± 3°	SIZE	A4	APPROVE	朱宁静	DATE		2024/05/27			
	.X ± 0.25	X.° ± 2°										
.XX ± 0.20												

**SPECIFICATIONS:**

**1. MATERIAL**

- HOUSING & INSERT: HIGH TEMPERATURE THERMOPLASTIC,PA-10T+30%GF,UL 94V-0 · BLACK
- MODULE CASE & COVER & SPACER : HIGH TEMPERATURE THERMOPLASTIC, LCP,UL 94V-0,BLACK
- RJ CONTACTS : PHOSPHOR BRONZE,C5210R-H
- PLATING: GOLD PLATING ON CONTACT AREA,  
100u" MIN TIN PLATING ON SOLDER TAILS, 30u" NICKEL OVERALL
- SOLDER TAIL TERMINAL ; BRASS,C2680R-EH
- PLATING ; 100u" TIN MIN 30u" NICKEL OVERALL
- SHIELD : STAINLESS,SUS304-1/2H,THICKNESS=0.2mm,PRE-SOLDERING

**2. ELECTRICAL**

- INSULATION RESISTANCE: 500 MOHMS MIN
- DIELECTRIC WITHSTANDING VOLTAGE : 1500 VAC FOR 1 MINUTE

**3.DURABILITY TEST RATING**

- INSERTION FORCE WITH THE LATCH DEPRESSED :22N MAX
- REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
- DURABILITY :750 CYCLES

**4.OPERATING AND STORAGE TEMPERATURE**

- OPERATING TEMPERATURE:-40°C TO +85°C
- STORAGE TEMPERATURE:-40°C TO +85°C

**ELECTRICAL CHARACTERISTICS :**

**1. INSERTION LOSS :**

- 1~100 MHz -10dB MAX,

**2. RETURN LOSS(LOAD 100Ω)**

- 1~30 MHz -21dB MIN
- 30~60 MHz -19dB MIN
- 60~80 MHz -15dB MIN
- 80~100 MHz -13dB MIN

**3.COMMON MODE REJECTION**

- 1~100 MHz -30dB MIN

**4.CROSS TALK**

- 1~100 MHz -30dB MIN

**5.0CL @ 100KHz · 0.1V · 8mA DC BIAS (0°C~70°C): 350 uH MIN**

**6.DCR**

- (J1-J2),(J3-J6),(J4-J5),(J7-J8): 1.2Ω MAX

**7.HI-POT TEST**

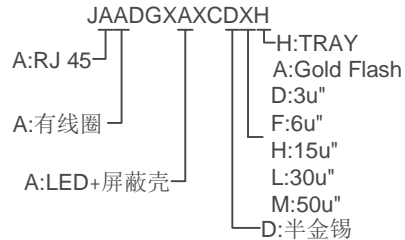
- (P1-P10) T0 (J1-J8): 1500VAC 60S OR 2250VDC 60S

**8. TURNS RATION 100KHz**

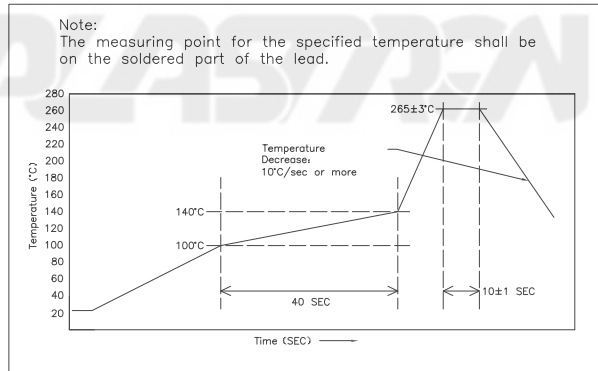
- (P2-P1): (J1-J2) = 1:1 ±%5
- (P4-P3): (J3-J6) = 1:1 ±%5
- (P6-P5): (J4-J5) = 1:1 ±%5
- (P8-P7): (J7-J8) = 1:1 ±%5

**9.BALANCED DC LINE CURRENT:**

- 720mA MAX @ 57VDC CONTINUOUS

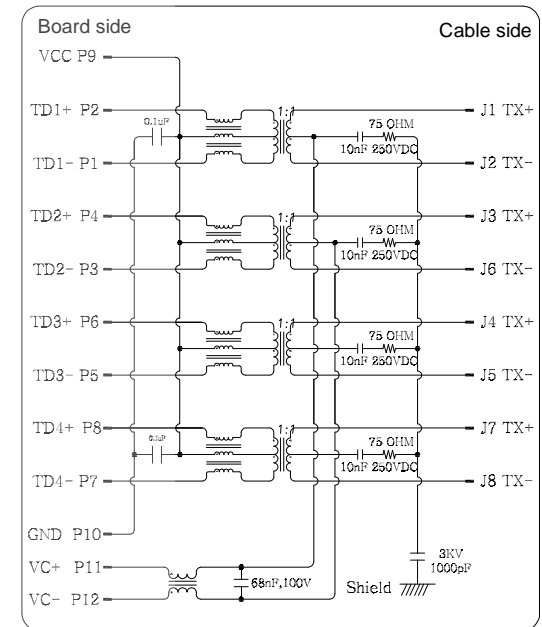


**TEMPERATURE CONDITION OF WAVE SOLDERING:**



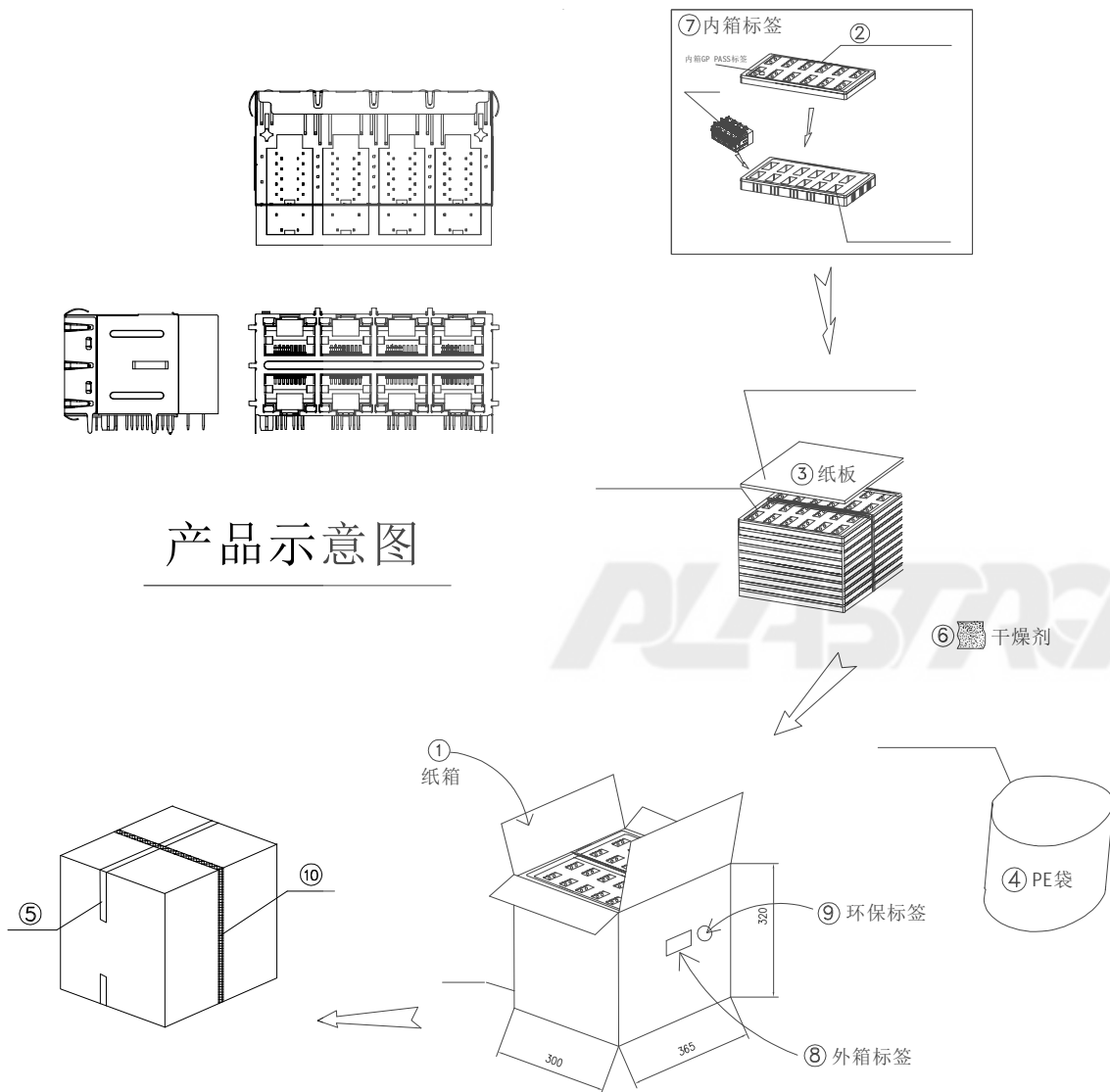
**SCHEMATIC FOR RJ45:**

- 10/100/1000BASE-T
- WITH LED



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	X. ± 0.30	X.° ± 3°	UNIT	mm	CHECK	李晨涛			
	.X ± 0.25	.X° ± 2°	SIZE	A4	APPROVE	朱宁静	DATE	2024/05/27	SHEET
	.XX ± 0.20								
600-0000-2450		PARTS NO.(INTENDED USE)		JAADGXAXCDXH		1GBASE-T,POE+ CUSTOMER DRAWING			

# 产品示意图



公司名称			
PO No.			
Customer P/N		请填写	
Quantity(pcs)		请填写	
Delivery Date		请空白	
N.W:	请注明	G.W:	请注明

⑧ 外箱标签  
50X30 mm

产品料号 (Product No.)	包装数量(Packing Quantity)		
	PCS/TRAY	TRAY/CARTON	PCS/CARTON
JAADGXAXCDXH	12	12	144

DWG. NO. 600-0000-2450	TITLE RJ45 IMC,2X4, 1GBASE-T,POE+ CUSTOMER DRAWING	REV. 1
		SHEET 3/3
PARTS NO.(INTENDED USE) JAADGXAXCDXH		

	TOLERANCE TABLE		SCALE	1:1	DRAWN	江蒙	DATE	2024/05/27
	X. ± 0.30	X.° ± 3°	UNIT	mm	CHECK	李晨涛	DATE	2024/05/27
	.X ± 0.25	.X° ± 2°	SIZE	A4	APPROVE	朱宁静	DATE	2024/05/27
	.XX ± 0.20							