



# L-KLS12-TL058-1X1-G/Y-03

100 Base,1x1,Tab-down,  
RJ45 with transformer,  
With LED with EMI-finger,  
LED:Yellow/Green

## Electrical Specifications:

### Electrical:

- 1.Voltage rating:125V AC.
- 2.Insulation resistance: 500 megohms MIN @500VDC.
- 3.Contact resistance: 50 milliohms Max.
- 4.T/R: TX=1CT:1CT(?2%) & RX=1CT:1CT(?2%).
- 5.OCL:350uH Min.at 100KHz 100mV 8mA DC.
- 6.Insertion Loss:-1.0 dB Max 1MHz to 100MHz.
- 7.Return loss:-16dB Min From 1MHz to 30MHz;  
-14dB Min From 30MHz to 60MHz.  
-10dB Min From 60MHz to 80MHz.
- 8.Cross talk: -40dB Min From 1MHz-30MHz;  
-35dB Min From 30MHz-60MHz;  
-30dB Min From 60MHz-100MHz;
- 9.CMR: -35dB Min From 1MHz-100MHz;
- 10.Hi-Pot: 1500V AC 6S 1mA

### Material:

Housing :PBT+30%GF,UL94V-0,Black.  
Plastic bracket :PBT+30%GF,UL94V-0,Black.  
Shell: C2680R-H,T=0.20mm,Nickel plated in all area.  
Contact terminal:Phosphor bronze C5210R-EH,T=0.35mm,  
Gold plated 6u" in the mating area.  
Solder terminal:Brass,C2680-H,T=0.35mm.Tin plated  
80u"Min. at solderTines.

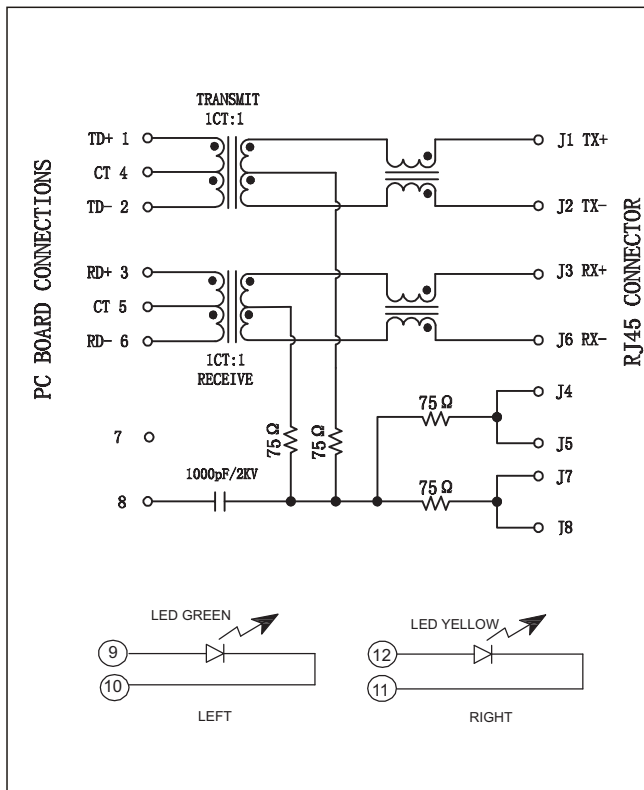
### Mechanical:

Durability :750 cycles Min.

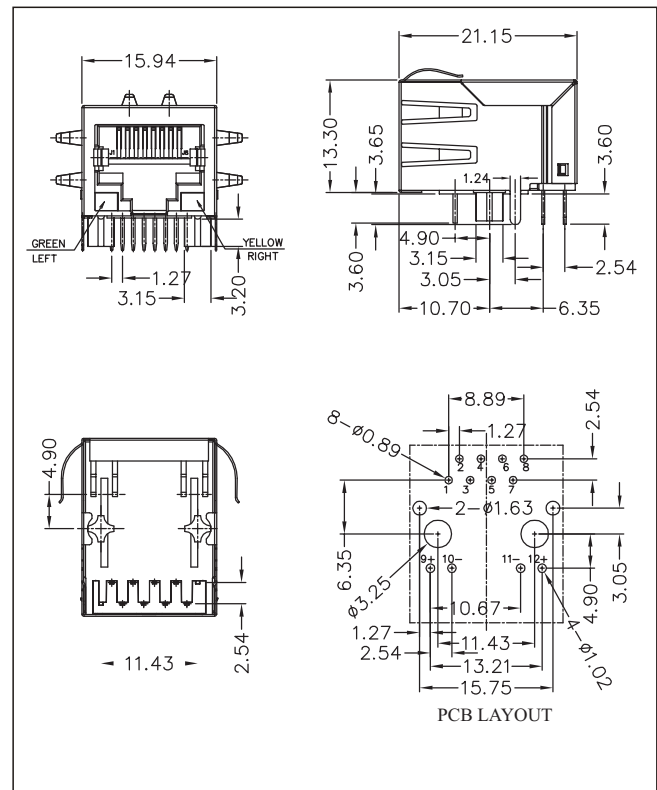
Mating force :22N Max.

Operating temperature:-40°C~+85°C.

## PC Board Connections:



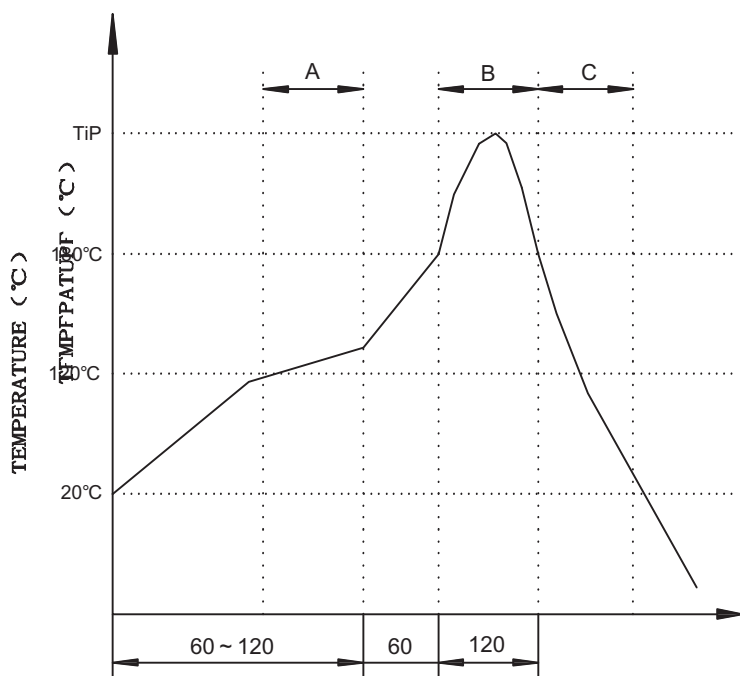
## Drawing



## Specification LED

| Standard LED Color | LED Wavelength | Forward (V MAX) | Typical (V TYP) | Luminous Intensity |
|--------------------|----------------|-----------------|-----------------|--------------------|
| Green              | 560-580 nm     | 2.5V            | 2.1-2.2V        | 9-25 MCD           |
| Yellow             | 580-610 nm     | 2.5V            | 2.1-2.2V        | 9-30 MCD           |

## PROFILE OF WAVE SOLDER



A.Preheating B.Soldering C.Gradual Cooling

Tip temperature:260±5°C.

Tip temperature time:5Sec Max.

Tip melting point of Sn96.5/Ag3/Cu0.5:217°C.

After the wave solder,the plastic column of product under the pcb will have a slight plastic melting situation.