

HR913128CE

Electrical Specification @25°C

RoHS Compliant (PB Free)

Isolation: 2250VDC 0.5mA 60Sec (UTP Side to Chip Side)

OCL: 350uH Minimum @100KHz 100mV with 8mADC Insertion Loss: -1.0dB Maximum @300KHz ~ 100MHz

Return Loss: −20dB Minimum @1MHz ~ 10MHz

-16dB Minimum @10MHz ~ 3 0MHz

−12dB Minimum @30MHz ~ 60MHz

−10dB Minimum @60MHz ~ 80MHz

Common Mode Rejection: −30dB Minimum @1MHz ~ 50MHz

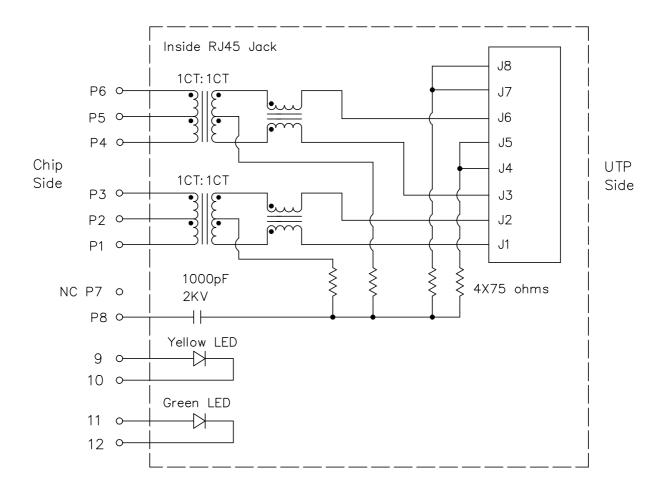
-20dB Minimum @50MHz ~ 150 MHz

Crosstalk: −40dB Minimum @1MHz ~ 30MHz

−35dB Minimum @30MHz ~ 60MHz

−30dB Minimum @60MHz ~ 100MHz

Schematics



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Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town, Zhongshan City, Guangdong Province, China

Tel: (0760)22126805 22132332 Fax: (0760)22132339 Post code: 528416

E-Mail: sales@hanrun.com http://www.hanrun.com

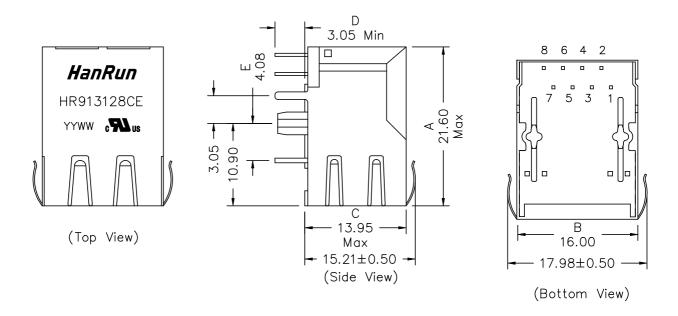
Specifications subject to change without notice. Refer to the approval sheet for lastly edition.

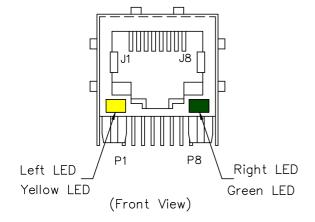


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- RoHS Compliant (Pb Free)
- Meets or Exceeds IEEE802.3 standards including 350uH Min OCL with 8mADC
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 2250VDC isolation per IEEE802.3 requirement
- Minimize PCB space and Simplify PCB Layout
- Less magnetic components to be placed on PCB, higher reliability and yields

Mechanical Dimensions:





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

Dimensions in mm

Unless otherwise specified, Tolerance: $.xx \pm 0.25$

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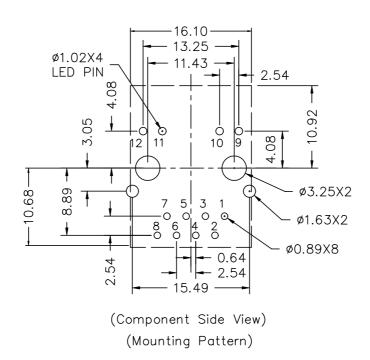
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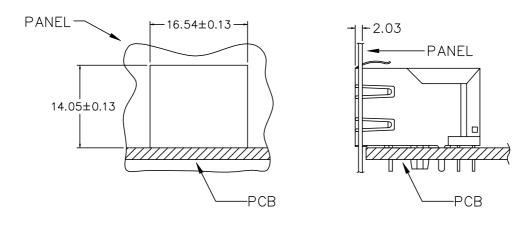


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PCB LAYOUT:



SUGGESTED PANEL OPENINGI:



SUGGESTED PANEL OPENING

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ± 0.25

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Single Port RJ45 Connector with Integrated Magnetics and LED



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Material Specification:

Housing: PA66 GF Black UL94V-0

Shield: 30u" Nickel over 0.20mm Thickness Brass

Insert: Pa66 GF Black UL94V-0

Phosphor Bronze 0.35mm Thickness Plating Area, 30u" gold over, 50u" nickel Solder Area, 100u" tin over, 50u" nickel

Mechanical Performance:

Mating force: 5 lbs Maximum Unmating force: 5 lbs Maximum

Plug to Jack Retention force: 20 lbs Minimum

Operating life: 750 Cycles Minimum

Operating and Storage Temperature:

Operating Temperature Range: −40°C ~ +85°C Storage Temperature Range: −40°C ~ +85°C

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