

HR961142AE

Electrical Specification @25°C

RoHS Compliant (PB Free)

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

Isolation: $1500 \text{Vrms} \ 0.5 \text{mA} \ 60 \text{sec} \ (J1~8 \ \text{to} \ P1~8)$

OCL: 350uH Minimum @100KHz 100mV with 8mADC

Insertion Loss: -1.0dB Maximum @300KHz ~ 100MHz

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

−16dB Minimum @10MHz ~ 30MHz

−12dB Minimum @30MHz ~ 60MHz

−10dB Minimum @60MHz ~ 80MHz

Common Mode Rejection: -30dB Minimum @1MHz $\sim 50MHz$

−20dB Minimum @50MHz ~ 150MHz

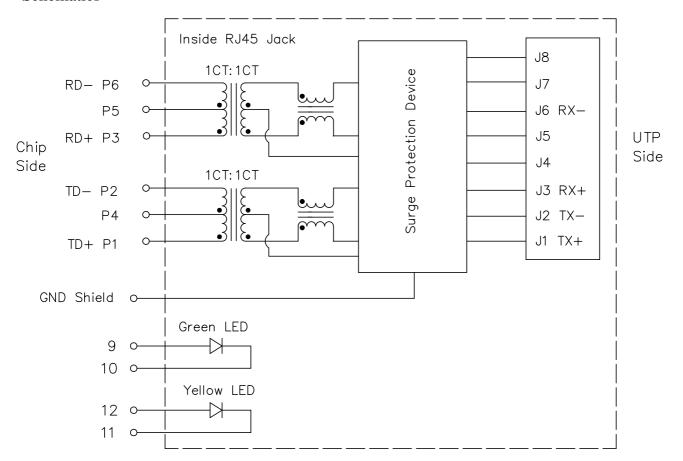
Crosstalk: -35dB Minimum @1MHz ~ 30 MHz

−30dB Minimum @30MHz ~ 60MHz

-30dB Minimum @60MHz ~ 100MHz

Designed to meet IEC61000-4-5 level 3 (10/700uS: 4000V @40 Ω ; 8/20us: 1000A @2000V 2 Ω)

Schematics



REV.: 01 1 of 2

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

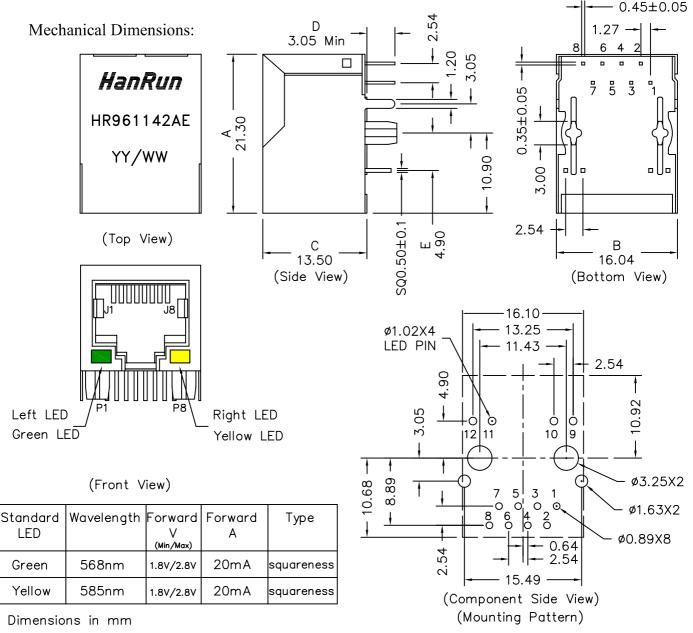
E-Mail: sales@hanrun.com http://www.hanrun.com

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



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- RoHS Compliant (PB Free)
- Designed for Network Interface Card Application
- Meets or Exceeds IEEE802.3 standards including 350uH Min OCL with 8mADC
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 1500Vrms isolation per IEEE802.3 requirement
- Minimize PCB space and Simplify PCB Layout
- Less magnetic components to place on PCB, Higher reliability and yields



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

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