1x2 Ports RJ45 Connector with LEDs and Integrated Magnetics 100/1000Base-T Magnetics



HR911261C

Electrical Specification @25°C

Isolation: 1500Vrms (UTP Side to Chip Side)

OCL: 350uH Minimum @100KHz 100mV with 8mADC Insertion Loss: -1.0dB Maximum @100KHz \sim 60MHz Insertion Loss: -1.1dB Maximum @60MHz \sim 100MHz

Return Loss: -18dB Minimum @0.3MHz \sim 30MHz / -15dB Minimum @40MHz \sim 60MHz

−10dB Minimum @80MHz ~ 100MHz

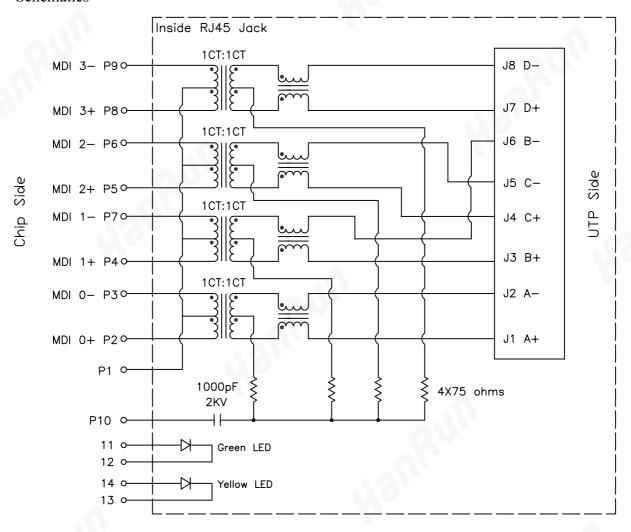
Common Mode Rejection: $-40 \, \text{dB}$ Minimum @1MHz $\sim 60 \, \text{MHz}$

−35dB Minimum @60MHz ~ 100MHz

Crosstalk: -35dB Minimum @1MHz \sim 10MHz / -26dB Minimum @15MHz \sim 60MHz

−24dB Minimum @60MHz ~ 100MHz

Schematics



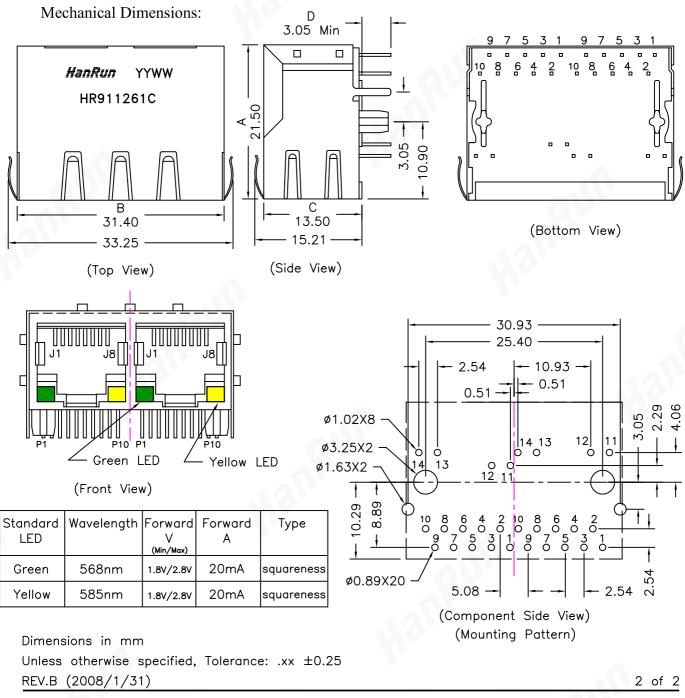
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HR911261C

- Meets or Exceeds IEEE802.3ab 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 be placed on PCB, higher reliability and yields



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