Single Port RJ45 Connector with Magnetics Module and LED

Part Number
HR911105A (Shield Type: A)

- 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

Mechanical Dimensions:

(Bottom View)
(Side View)
(Comp Side View)

Left LED Yellow LED
Right LED Green LED
Single Port RJ45 Connector
with Integrated Magnetics and LED
for 10/100Base-TX NIC Applications

Part Number:
HR911105

Electrical Specification @25°C

Isolation: 1500Vrms (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 ~ 30MHz
−12dB Minimum @30MHz ~ 60MHz
−10dB Minimum @60MHz ~ 80MHz
Common Mode Rejection: −30dB Minimum @1MHz ~ 50MHz
−20dB Minimum @50MHz ~ 150MHz
Crosstalk: −40dB Minimum @1MHz ~ 30MHz
−35dB Minimum @30MHz ~ 60MHz
−30dB Minimum @60MHz ~ 100MHz

Schematics

Notes: Connect CHS GND to PCB Ground