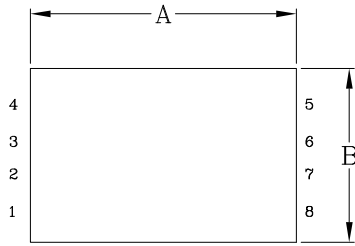




SPECIFICATION FOR APPROVAL

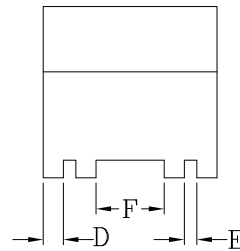
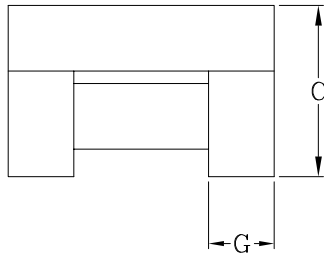
Customer Part No.: Delta Part No.: LC501 Part Name: LAN Chip Transformer (for Single Channel)	Rev.: H

1. Mechanical Dimension:

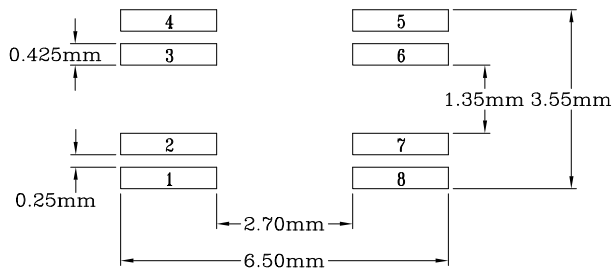


Unit: mm/inch

- A = $5.28 \pm 0.30 / 0.208 \pm 0.012$
- B = $3.45 \pm 0.30 / 0.136 \pm 0.012$
- C = $3.40 \pm 0.30 / 0.134 \pm 0.012$
- D = $0.425 \pm 0.10 / 0.017 \pm 0.004$
- E = $0.20 \pm 0.10 / 0.008 \pm 0.004$
- F = $1.35 \pm 0.10 / 0.053 \pm 0.004$
- G = $1.30 \pm 0.10 / 0.051 \pm 0.004$



1-1. Recommended PCB Layout:



(Component Side)
Suggested PCB Layout

Drawn by <i>kelly.Chang</i>	Electronic by <i>Mark. Lai liby</i>	Mechanical by <i>Jett. Lian</i>	QE by <i>Honyang</i>	Approved by <i>Alan Shieh</i>
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20180207



SPECIFICATION FOR APPROVAL

Customer Part No.:
Delta Part No.: LC501
Part Name: LAN Chip Transformer (for Single Channel)

Rev.: H

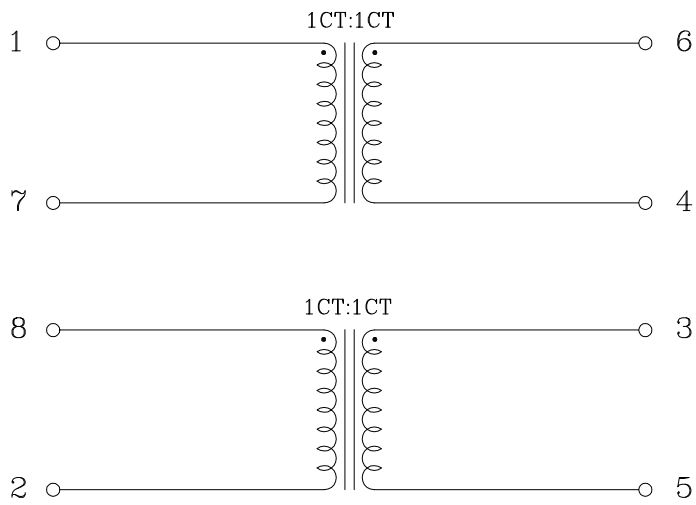
RoHS
COMPLIANT

HF

2. Circuit Schematic



PHY Side

Cable Side





SPECIFICATION FOR APPROVAL

Customer Part No.: Delta Part No.: LC501 Part Name: LAN Chip Transformer (for Single Channel)	Rev.: H  
<p>3. Electrical Characteristics:(Temp.: 20°C~30°C . Humidity: 40%RH~75%RH)</p> <p>3-1. Insertion Loss: 1-100 MHz -1.0dB MAX. 100-125 MHz -1.2dB MAX.</p> <p>3-2. Return Loss: 1-40 MHz -18dB MIN. 50 MHz -14dB MIN. 60 MHz -12.5dB MIN. 70 MHz -11.2dB MIN. 80 MHz -10dB MIN. 100 MHz -8dB MIN.</p> <p>3-3. Open Circuit Inductance: @100KHz,0.1Vrms, 8mA DC Bias (1-2), Shorted (7-8): 350uH MIN. (5-6), Shorted (3-4): 350uH MIN.</p> <p>3-4. Turns Ratio: @100KHz PHY Side:Cable Side= 1CT:1CT±3%</p> <p>3-5. Hi-Pot Test: @60Hz PHY Side to Cable Side: 1500Vrms, 60Sec</p> <p>* RoHS Compliant * Compliant With Halogen-Free * Operate Temperature Range: 0°C~70°C * Storage Temperature Range: -40°C~85°C</p>	