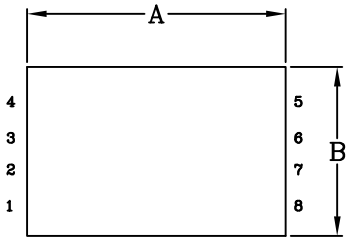
SPECIFICATION FOR APPROVAL

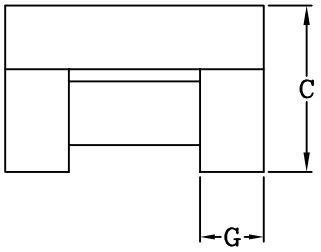
Customer Part No.: Delta Part No.: LC561 Part Name: LAN Chip Transformer (for Single Channel)	Rev.: D RoHS COMPLIANT HF

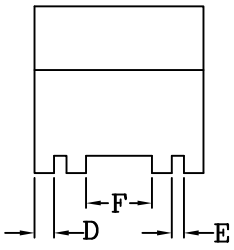
1. Mechanical Dimension:



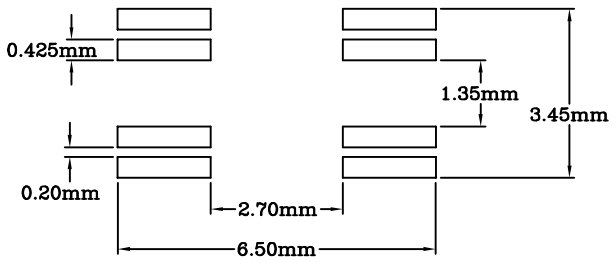
UNIT: mm/inch

A = 5.28±0.30/0.208±0.012
B = 3.45±0.30/0.136±0.012
C = 3.40±0.30/0.134±0.012
D = 0.435±0.10/0.017±0.004
E = 0.18±0.10/0.007±0.004
F = 1.35±0.10/0.053±0.004
G = 1.34±0.10/0.053±0.004





1-1. Recommended PCB Layout:



(Component Side)
Suggested PCB Layout

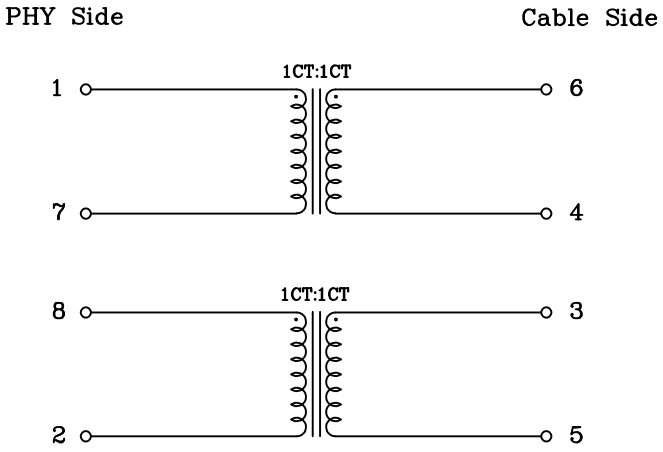
Drawn by	Electronic by	Mechanical by	QE by	Approved by
L.R.CHEN	Mark. Lai	GD		clark ck.Lin

20230511

SPECIFICATION FOR APPROVAL

Customer Part No.: Delta Part No.: LC561 Part Name: LAN Chip Transformer (for Single Channel)	Rev.: D RoHS COMPLIANT HF

2. Circuit Schematic:



SPECIFICATION FOR APPROVAL

Customer Part No.: Delta Part No.: LC561 Part Name: LAN Chip Transformer (for Single Channel)	Rev.: D RoHS COMPLIANT HF

3. Electrical Characteristics:(Temp.: 20°C~30°C . Humidity: 40%RH~75%RH)

3-1. Insertion Loss:

1-125 MHz	-1dB	MAX.
125-400 MHz	-1.5dB	MAX.

3-2. Return Loss:

1-40 MHz	-18dB	MIN.
40-200 MHz	-16dB	MIN.
200-400 MHz	-12dB	MIN.
400-500 MHz	-8dB	MIN.

3-3. Common Mode Attenuation:

1-40 MHz	-20dB	MIN.
40-100 MHz	-12dB	MIN.
100-150 MHz	-7dB	MIN.
150-200 MHz	-7dB	MIN.

3-4. Differential to Common Mode Conversion:

1-40 MHz	-22dB	MIN.
40-100 MHz	-15dB	MIN.
100-400 MHz	-15dB	MIN.
400-500 MHz	-12dB	MIN.

3-5. Open Circuit Inductance: @100KHz,0.1Vrms, 8mA DC Bias

(1-2), Shorted (7-8): 140uH MIN.

(5-6), Shorted (3-4): 140uH MIN.

3-6. Turns Ratio: @100KHz

PHY Side:Cable Side= 1CT:1CT±3%

3-7. Hi-POT Test: @1mA

PHY Side to Cable Side: 1500Vrms, 60sec

* RoHS Compliant
* Compliant With Halogen-Free
* Operate Temperature Range: 0°C~70°C
* Storage Temperature Range: -40°C~85°C