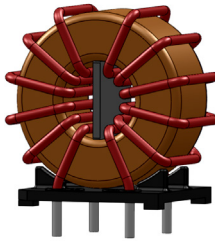


# THT Common Mode Chokes

PH9455.XXXNL



- Dielectric Strength: 1500Vrms
- Inductance Range: 1.00mH (at 22.0A) to 82.0mH (at 3.0A)
- Height: 32.0mm Max
- Footprint: 12.6mm x 10.0mm
- Voltage Rating: 250Vac Max

## Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°C

| Part Number  | Inductance<br>(1-4)=(2-3)<br>(mH +50%/-30%) | Current Rating<br>(1-4)=(2-3)<br>(A) | DCR<br>(1-4)=(2-3)<br>(mΩ Max) | Self Resonant<br>Frequency<br>(1-4)=(2-3)<br>(MHz Min) | Impedance<br>(kΩms Min at SRF) |
|--------------|---|--------------------------------------|--------------------------------|--|--------------------------------|
| PH9455.105NL | 1.00  | 22                                   | 2.10                           | 15.94  | 1.5                            |
| PH9455.155NL | 1.62  | 19                                   | 3.20                           | 10.00  | 1.8                            |
| PH9455.205NL | 2.20  | 16                                   | 4.50                           | 8.39   | 2.6                            |
| PH9455.405NL | 4.50  | 12                                   | 8.50                           | 4.00   | 4.4                            |
| PH9455.705NL | 6.50  | 9                                    | 14.0                           | 1.52   | 6.4                            |
| PH9455.156NL | 15.0  | 6                                    | 30.0                           | 0.76   | 10                             |
| PH9455.356NL | 35.0  | 4                                    | 80.0                           | 0.33   | 21                             |
| PH9455.826NL | 82.0  | 3                                    | 150                            | 0.13   | 37                             |

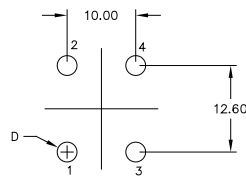
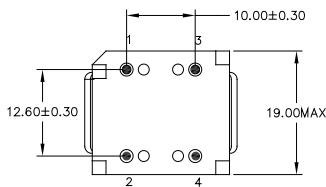
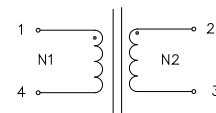
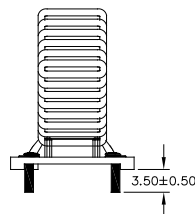
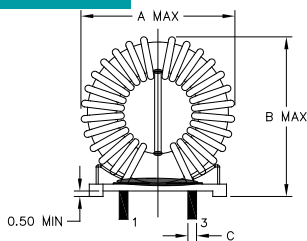
### Notes:

1. The current rating (Irated) is based upon the temperature rise of the component and represents the rms current which will cause a typical temperature rise of 55°C.

### Mechanical

### Schematic

#### PH9455.XXXNL



THRU HOLE LAYOUT

| PART NUMBER  | A     | B     | C         | D    |
|--------------|-------|-------|-----------|------|
| PH9455.105NL | 27.00 | 32.00 | 1.63±0.20 | 2.10 |
| PH9455.155NL | 26.00 | 31.00 | 1.45±0.20 | 1.90 |
| PH9455.205NL | 25.70 | 31.00 | 1.29±0.20 | 1.70 |
| PH9455.405NL | 25.50 | 31.50 | 1.15±0.20 | 1.50 |
| PH9455.705NL | 25.30 | 31.50 | 1.02±0.20 | 1.45 |
| PH9455.156NL | 25.00 | 30.00 | 0.81±0.20 | 1.21 |
| PH9455.356NL | 24.50 | 29.50 | 0.64±0.20 | 1.10 |
| PH9455.826NL | 24.50 | 29.50 | 0.57±0.20 | 1.00 |

Weight (TYP) .....20grams

Tray .....45/tray

Dimensions: mm

Unless otherwise specified, all tolerance are ±0.25

USA 858 674 8100

Germany 49 2534 777 100

Singapore 65 6287 8998

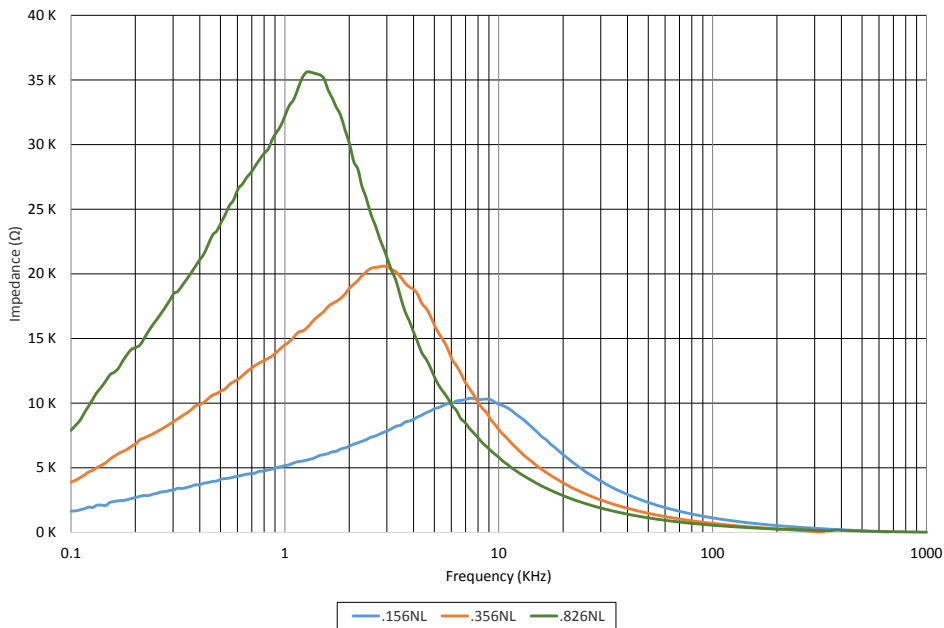
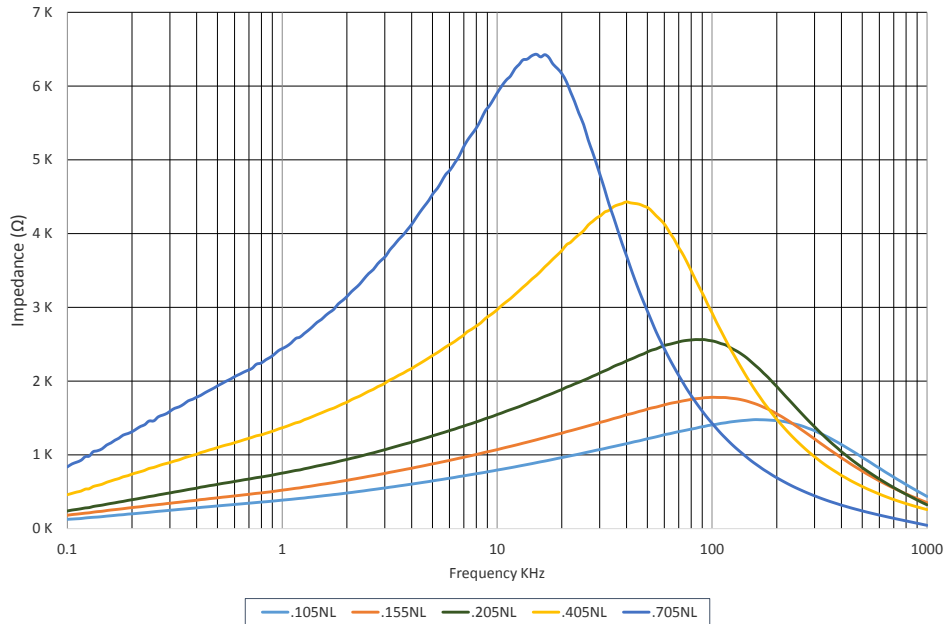
Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4356768

# THT Common Mode Chokes

PH9455.XXXNL



## For More Information

### Pulse Worldwide Headquarters

12220 World Trade Drive  
San Diego, CA 92128  
U.S.A.

Tel: 858 674 8100  
Fax: 858 674 8262

### Pulse Europe

Pulse Electronics GmbH  
Am Rottland 12  
58540 Meinerzhagen  
Germany

Tel: 49 2354 777 100  
Fax: 49 2354 777 168

### Pulse China Headquarters

B402, Shenzhen Academy of  
Aerospace Technology Bldg.  
10th Kejian Road  
High-Tech Zone  
Nanshan District  
Shenzhen, PR China 518057

Tel: 86 755 33966678  
Fax: 86 755 33966700

### Pulse North China

Room 2704/2705  
Super Ocean Finance Ctr.  
2067 Yan An Road West  
Shanghai 200336  
China

Tel: 86 21 62787060  
Fax: 86 2162786973

### Pulse South Asia

135 Joo Seng Road  
#03-02  
PM Industrial Bldg.  
Singapore 368363

Tel: 65 6287 8998  
Fax: 65 6287 8998

### Pulse North Asia

3F, No. 198  
Zhongyuan Road  
Zhongli City  
Taoyuan County 320  
Taiwan R. O. C.  
Tel: 886 3 4356768  
Fax: 886 3 4356823 (Pulse)  
Fax: 886 3 4356820 (FRE)

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