

## DC/DC Transformer

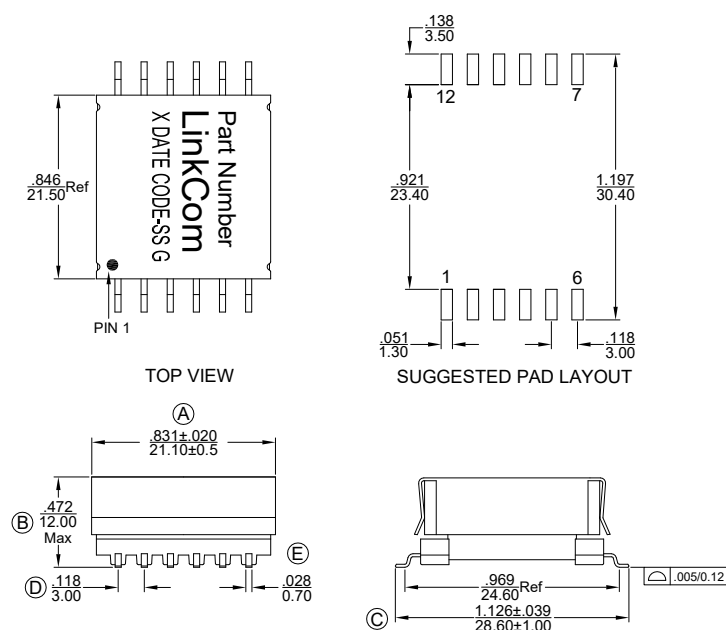
- Flyback Transformer for PoE applications
- RoHS Compliant
- Operating Temperature -40°C to +125°C
- Storage Temperature -40°C to +85°C

### Electrical Specifications @25°C

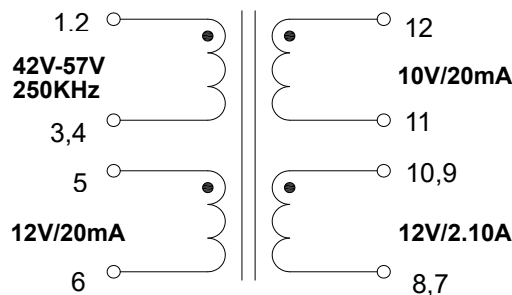
|                     |                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Inductance:         | PIN 1,2-3,4 = 100uH±10% @ 100KHz/0.1V (Pin 1,2 shorted and Pin 3,4 shorted)                                                       |
| Leakage Inductance: | PIN 1,2-3,4 = 1.20 uH MAX . @ 100KHz/0.1V<br>(Pin 1,2 shorted and Pin 3,4 shorted Pin 5,6 shorted and Pin 7,8,9,10,11,12 shorted) |
| D.C.R.:             | PIN 1,2-3,4 = 165 mohm Max. (Pin 1,2 shorted and Pin 3,4 shorted)                                                                 |
|                     | PIN 5-6 = 145 mohm Max.                                                                                                           |
|                     | PIN 12-11 = 100 mohm Max.                                                                                                         |
|                     | PIN 10,9-8,7 = 30 mohm Max. (Pin 10,9 shorted and Pin 8,7 shorted)                                                                |
| Turn Ratio:         | PIN 1,2-3,4 : PIN 5-6 = 2.89±3% :1 (Pin 1,2 shorted and Pin 3,4 shorted)                                                          |
|                     | PIN 1,2-3,4 : PIN 12-11 = 3.25±3% :1 (Pin 1,2 shorted and Pin 3,4 shorted)                                                        |
|                     | PIN 1,2-3,4 : PIN 10,9-8,7 = 2.89±3% :1<br>(Pin 1,2 shorted and Pin 3,4 shorted and Pin 10,9 shorted and Pin 8,7 shorted)         |
| Hi-POT :            | PRI. – SEC. = 1500VAC/2Sec/1mA                                                                                                    |

## Dimensions

((Units:  $\frac{\text{Inches}}{\text{mm}}$  , Unless otherwise specified, all tolerances are  $\pm 0.010$  /  $\pm 0.25$  )



## Schematic



Primary windings and secondary windings  
to be connected in parallel on PC board.

## Mark

- 1.Part Number----LDT8659
- 2.X----PRODUCT LINE or BLANK
- 3.DATE CODE----YYWW
- 4.SS----51
- 5.G----RoHS

## Package info

LDT8659-51R - Tape reel