

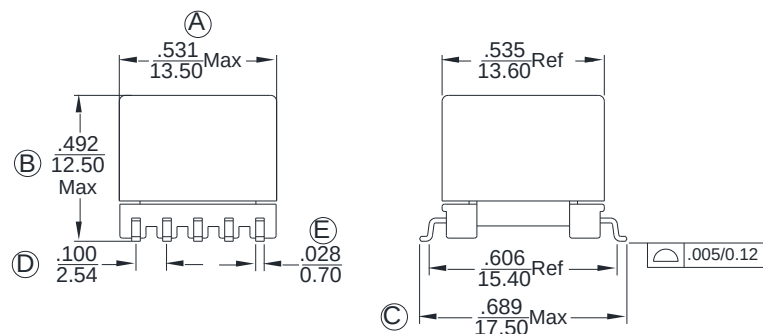
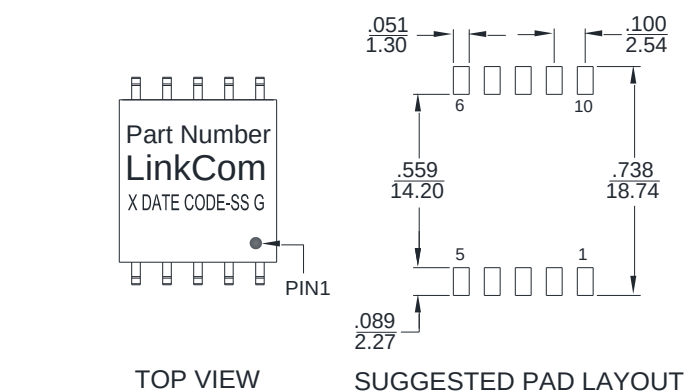
## DC/DC Transformer

- Flyback transformer for PoE applications
- RoHS Compliant
- Operating Temperature -40°C to +105°C

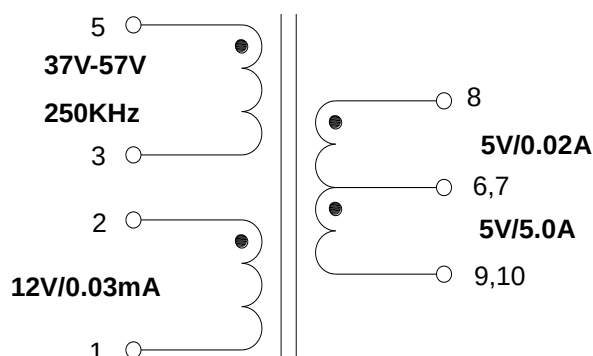
| Electrical Specifications @25°C |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| Inductance:                     | PIN 5-3= 37 uH $\pm 10\%$ @ 10KHz/0.1V                              |
| Leakage Inductance:             | PIN 5-3= 1.5 uH Max. @ 100KHz/0.1V (PIN 6,7,8,9,10 Shorted)         |
| D.C.R                           | PIN 5-3 = 89 mohm Max.                                              |
|                                 | PIN 2-1 = 260 mohm Max.                                             |
|                                 | PIN 6,7- 9,10 = 8.5 mohm Max. (PIN 6,7 ; 9,10 Shorted)              |
|                                 | PIN 8-7 = 185 mohm Max.                                             |
| Turn Ratio:                     | PIN 5-3 : PIN 6,7-9,10 = 5.00 $\pm 2\%$ :1 (PIN 6,7 ; 9,10 Shorted) |
|                                 | PIN 5-3 : PIN 2-1 = 2.00 $\pm 2\%$ :1                               |
|                                 | PIN 5-3 : PIN 8-7 = 5.00 $\pm 2\%$ :1                               |
| Hi-POT :                        | PRI. - SEC. =1500Vrms/60Hz/1Sec/1mA                                 |

## Dimensions

(Units:  $\frac{\text{Inches}}{\text{mm}}$  , Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$  )



## Schematic



## Mark

1. Part Number----LDT2518
2. X----PRODUCT LINE or BLANK
3. DATE CODE----YYWW
4. SS----50 or BLANK
5. G----RoHS

## Package info

LDT2518-52R—Tape Reel