

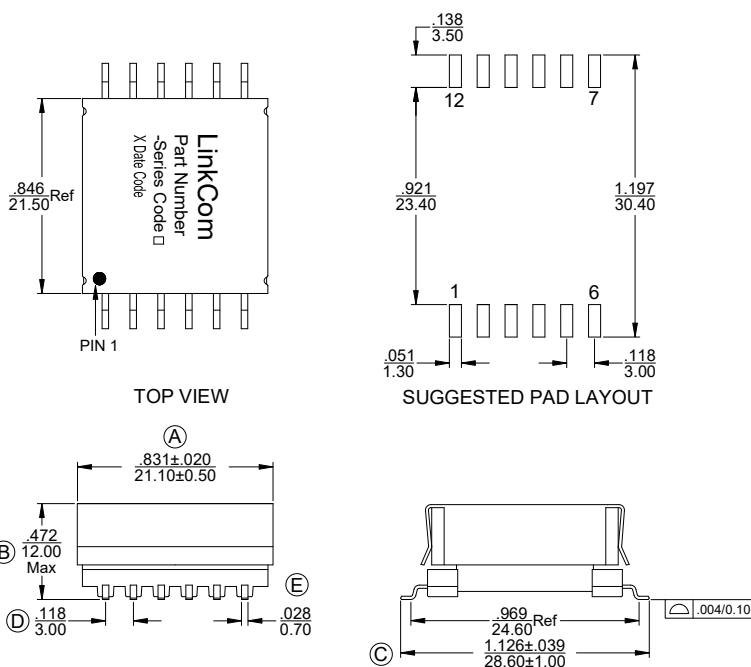
DC/DC Transformer

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

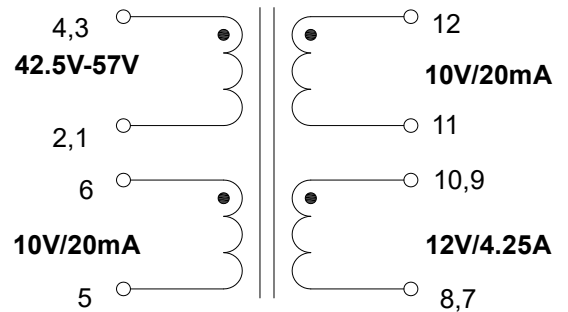
| Electrical Specifications @25°C | |
|---------------------------------|--|
| Inductance: | PIN 4,3-2,1 = 50 uH±10% @100kHz/0.1V |
| Leakage Inductance: | PIN 4,3-2,1 = 0.75 uH MAX @100kHz/0.1V (Pin 4,3 shorted and Pin 2,1 shorted Pin 6,5 shorted and Pin 7,8,9,10,11,12 shorted) |
| | PIN 4,3-2,1 = 1.9 uH MAX.@100kHz/0.1V(Pin 4,3 shorted and Pin 2,1 shorted and Pin 5,6 shorted) |
| | PIN 4,3-2,1 = 1.7 uH MAX.@100kHz/0.1V(Pin 4,3 shorted and Pin 2,1 shorted and Pin 11,12 shorted) |
| D.C.R.: | PIN 4,3-2,1 = 125 mohm Max. |
| | PIN 6-5 = 59 mohm Max. |
| | PIN 12-11 = 51 mohm Max. |
| | PIN 10,9-8,7 = 12 mohm Max. |
| Turn Ratio: | PIN 4,3-2,1 : PIN 6-5 = 3.43±3% :1 |
| | PIN 4,3-2,1 : PIN 12-11 = 3.43±3% :1 |
| | PIN 4,3-2,1 : PIN 10,9-8,7 = 3.00±3% :1 |
| Hi-POT : | PRI. – SEC. = 1500VAC/2Sec/1mA |

Dimensions

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



Schematic



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

Mark

- 1.Part Number----PK5112
- 2.Series Code---002S
- 3.□---Blank
- 4.X----PRODUCT LINE or BLANK
- 5.DATE CODE----YYWW

Package info

PK5112-002SR - Tape reel