

# 100/1000 Base-Tx Transformer Modules

## Electrical Specification:

@25°C Operating Temperature 0 to +70°C

Part NO : 1224K-S006LF  
 Trun Ratio (±3%) : TX 1CT:1CT  
 RX 1CT:1CT

OCL primary@ 100KHz,0.1Vrms,8mA : 350uH Min

Leakage primary@ 10KHz,0.1Vrms : 0.5uH max

Cww (Pri.:Sec.) : 35pF Max

DCR (Ω): Primary 1.0 Max

Secondary 1.2 Max

Insertion loss: 1-100MHz -1.15dB max

Return loss: 1-30MHz -18dB min

40MHz -16dB min

50MHz -16dB min

60-100MHz -10dB min

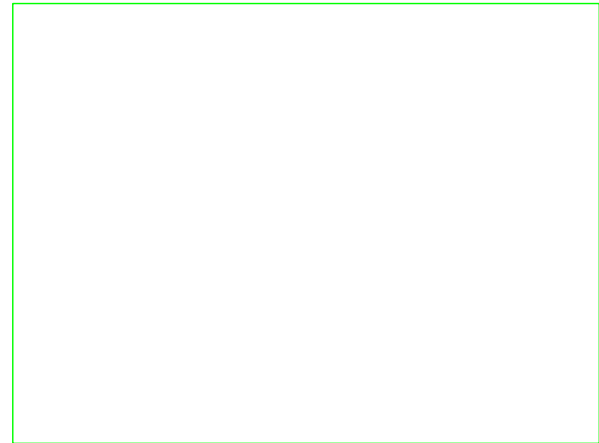
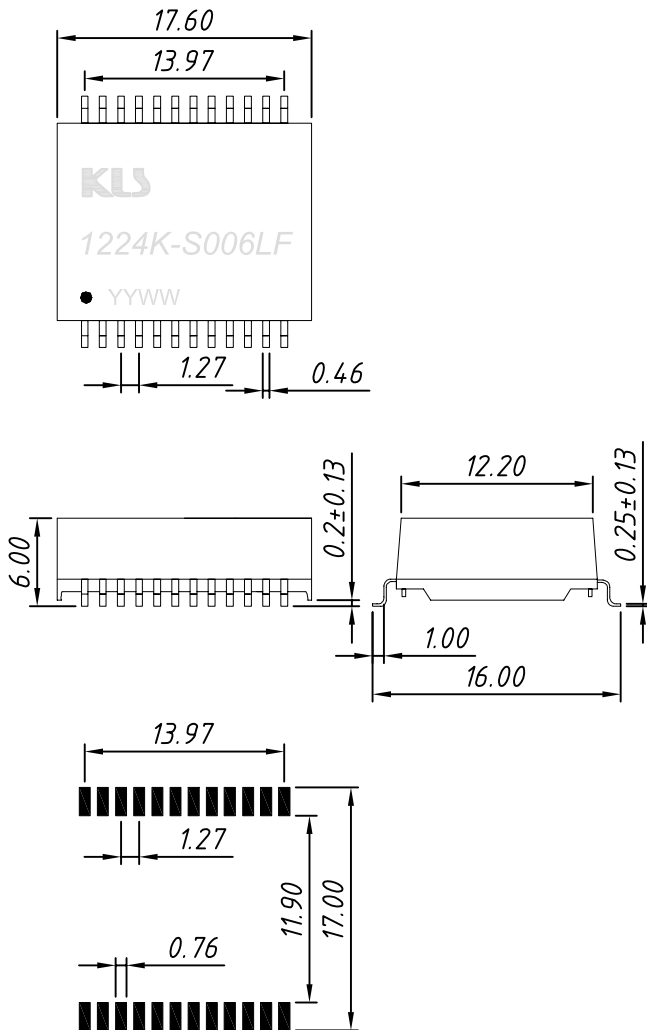
DMRR : 1-60MHz -35dB min .

60-100MHz -30dB min .

Crosstalk: 1-100MHz -33dB min .

Isolation Voltage 1500 Vrms Min.

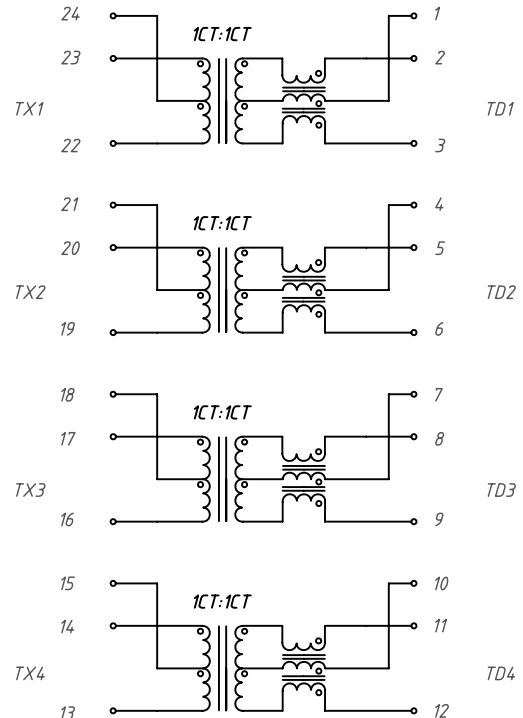
Dimension: unit:mm



## Features:

1. Compliant with IEEE802.3at standard for 1000 Base-T
2. Suitable for End-span PoE applications with 720mA current capability
3. Operating Humidity:90%RH
4. Storage temperature range:-40~+80°C,90%RH
5. RoHS Compliant

## Schematic



1224K-S006LF-T  
 1224K-S006LF-R

Packing: Tube  
 Packing: Tape&Reel