

# 10/100 Base-Tx Transformer Modules

## Electrical Specification:

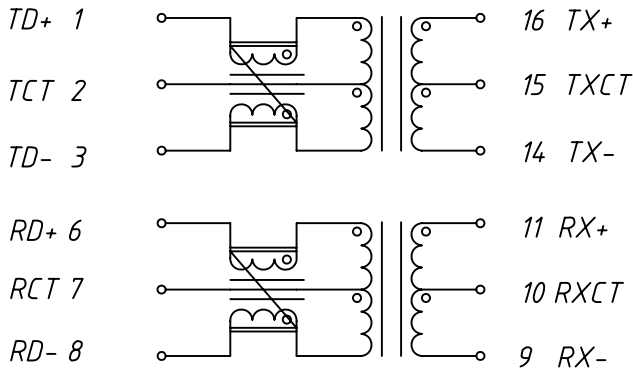
@25°C Operating Temperature: 0 to +70°C

Part NO : 1216M-S006LF  
 Trun Ratio (±3%) : TX 1:1  
 RX 1:1

DCR : 1.5Ω Max  
 Leakage primary@ 10KHz,0.1Vrms : 0.5uH max  
 Cww (Pri.:Sec.) : 28pF Max  
 Insertion loss: 1-100MHz -1.0dB max  
 Return loss: 0.5-30MHz -16dB min  
 30.1-60MHz -14dB min  
 60.1-80MHz -12dB min  
 CMRR : 0.5-100MHz -30dB min .  
 Crosstalk: 0.5-40MHz -35dB min .  
 40.1-100MHz -30dB min .  
 Hi-Pot 1500 Vrms Min.



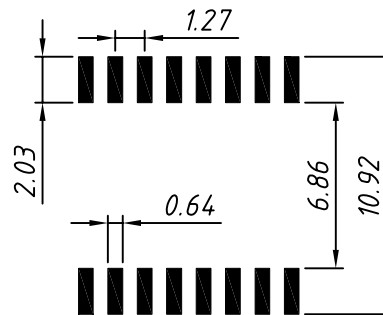
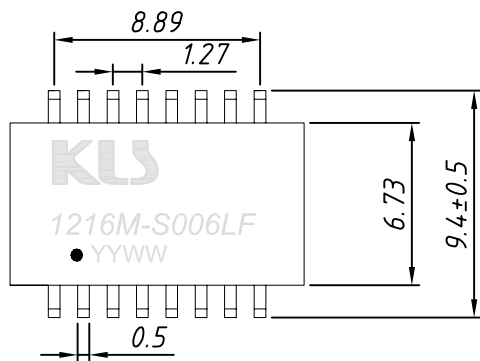
## Schematic



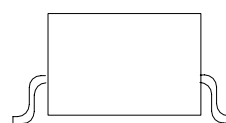
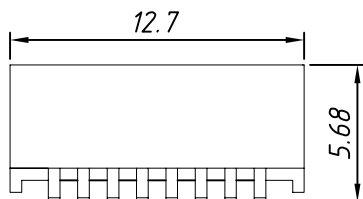
## Features:

1. IEEE 802.3af/ANSI X3.263 compliant performance.
2. Operating Humidity:90%RH
3. Storage temperature range:-40~+80°C,90%RH
4. RoHS Compliant
5. The part is POE+ enable with 720mA DC current

## Dimension: unit:mm



PCB LAYOUT



1216M-S006LF-T  
 1216M-S006LF-R

Packing: Tube  
 Packing: Tape&Reel