

# 100/1000 BASE-T Magnetics Module

**NO: S16603**



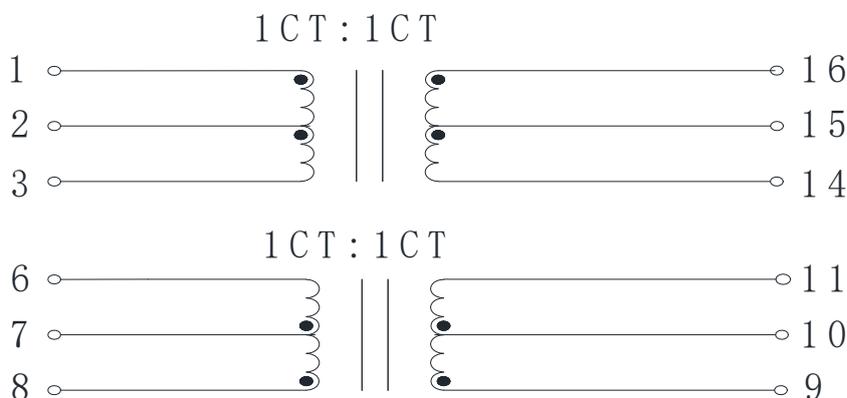
## Feature:

- ◆ Meets IEEE 802.3 standards
- ◆ Comply with RoHS & Halogen Free requirements.
- ◆ Design for 100base-Tx transmission over UTP-5 cable
- ◆ Operating Temperature: 0°C~+70°C
- ◆ Storage temperature range: 0°C to + 125°C.

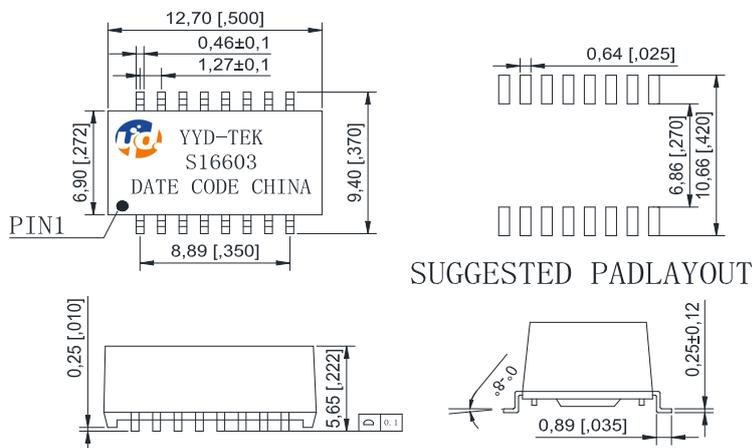
## Electrical Specification @25°C

Inductance:	350uH Min. @100KHz/0.1V 8mA DC Bias		
Hi-POT :	1500VAC/1Sec/1mA		
Leakage inductance:	0.5uH Max. @100KHz/0.1V		
C.W.W.	30pF Max. @100KHz/0.1V		
D.C.R:	1.2 Ω max		
Turn Ratio:	1CT:1CT±2%		
Insertion Loss:	-1.2dB Max.@1-100MHz:		
Return Loss:	1-40MHz	60 MHz	100MHz
	-16dB Min.	-14.4dB Min.	-12dB Min.
D.C.M.R :	-30dBMin.@1-100MHz		
Cross Talk :	-30dBMin.@1-100MHz		

## Schematic:



## Mechanical:



Dimension:mm  
Unless otherwise specified, all tolerance are ±0.25