

# 10 BASE-T Single Port Magnetics

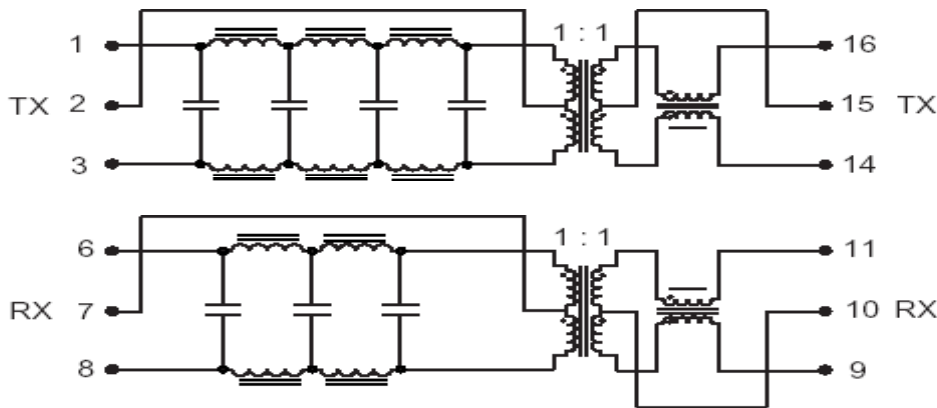
## Features:

- Transformer turns ratio RX 1CT:1CT and TX 1CT:1CT
- Designed to Meet or Exceed IEEE 802.3 –1993 Specifications
- Low profile, surface mount packaging rated to 225°C
- Operating temperature 0°C to 70°C
- Minimum interwinding breakdown voltage of 1500Vrms

## Electrical Specifications @ 25°C

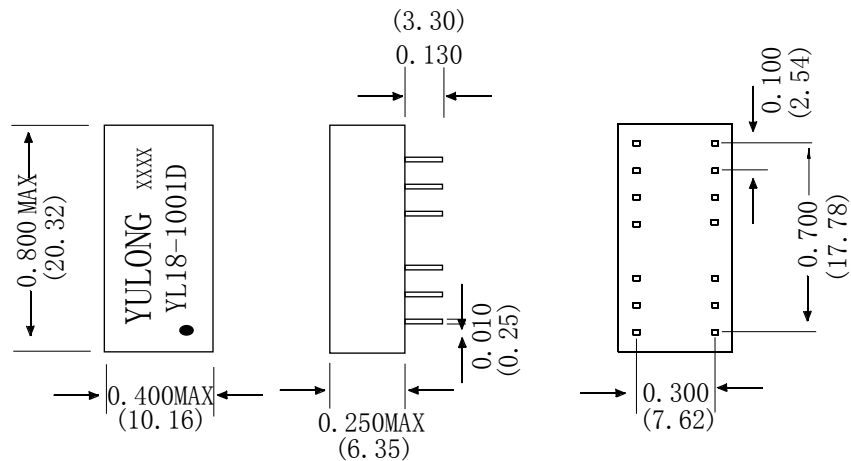
Part Number	Insertion Loss (dBMax)	ReturnLoss (dB min)	Attenuation dB min @30MHz		Crosstalk (dB min)	Comon to Common Mide Rejection dB min		
	10MHz	0.1-10MHz	TX	RX	1-10MHz	30MHz	50MHz	100MHz
YL18-1001S	-1.0	-15	-30	-20	-30	-35	-30	-25
YL18-1001D	-1.0	-15	-30	-20	-30	-35	-30	-25

## Schematics

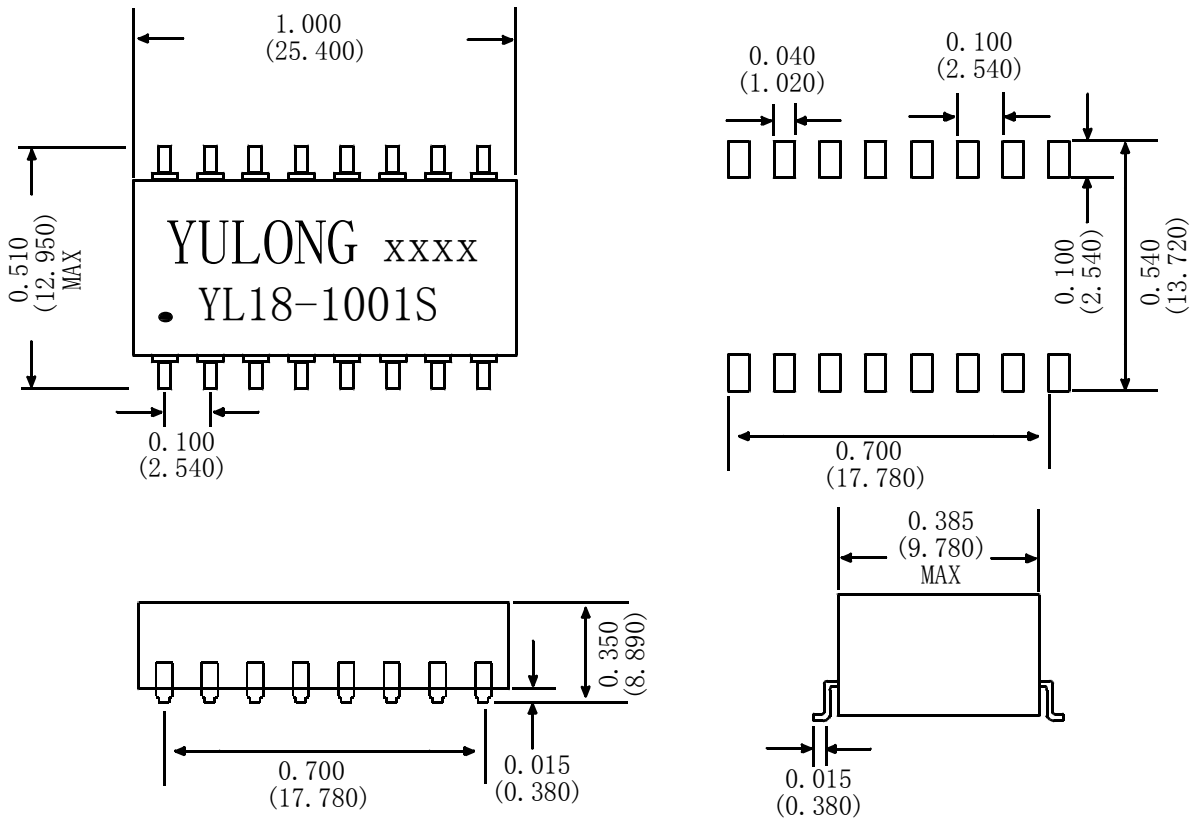


## Mechanicals

### YL18-1001D



# YL18-1001S



**NOTE:Dimensions:inches/(mm) unless otherwise specified all tolerances are  $\pm 0.010(0.25)$**