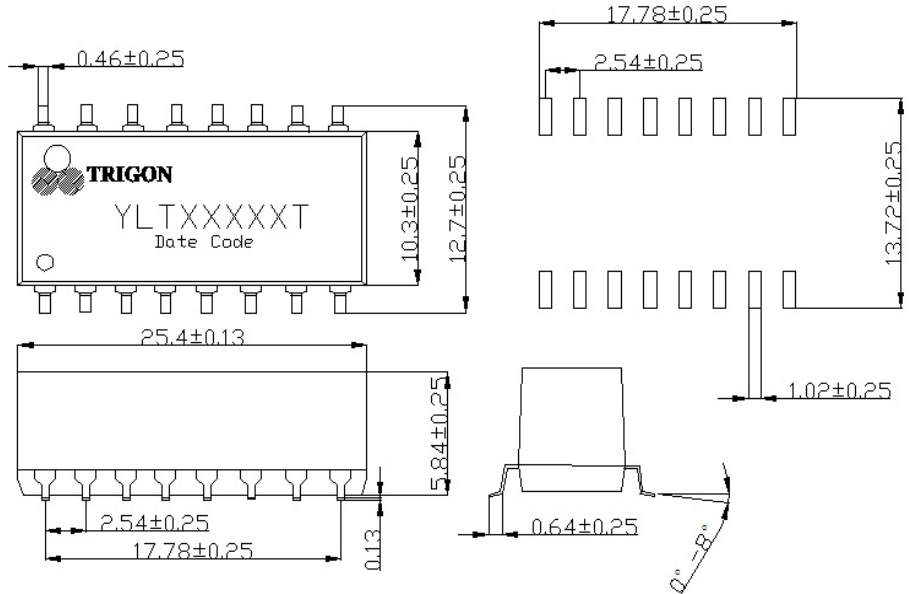


YLT Series

10/100 Base-TX Single Port Transformer Modules With Various Transmit Turns Ratios

TRIGON
COMPONENTS



Note: Pin4 is omitted on the YLT00022T

FEATURES

- Optimum Perform
- Surface Mount
- Optional Pin-Outs
- Cost Effective
- Meets IEEE 802.3 specification.
- Designed for use with transceivers for AMD & Micrel.
- Industrial Standard Connector Foot Print
- RoHS peak reflow temperature rating 245°C.

ORDERING CODE

YLT XXXXX T
(1) (2) (3)

- (1) LAN Transformer
- (2) Series code
- (3) Package
(T= Tape & Reel)

Electrical Specification @ 25°C, Operating Temperature 0°C ~ +70°C

Part Number	Turns Ratio ±5%		Insertion Loss dB Max	Return Loss dB Min		
	TX	Rx		100KHZ~100MHZ	30MHZ	60MHZ
YLT00021T	1.141:1	1:1	-1.0	-16	-12	-10
YLT00022T	1.141:1	1:1	-1.0	-16	-12	-10
YLT00023T	1.141:1	1:1	-1.0	-16	-12	-10
YLT00024T	1.141:1	1:1	-1.0	-16	-12	-10
YLT00025T	1:1.141	1:1	-2.0	-18	-12	-11
YLT00026T	1.141:1	1:1	-1.0	-16	-12	-10
YLT00027T	1:1.141	1:1	-2.0	-16	-11	-10

Part Number	Crosstalk dB Min			Hipot (Vrms Min)
	30MHZ	60MHZ	100MHZ	
YLT00021T	-45	-38	-34	1500
YLT00022T	-45	-38	-34	1500
YLT00023T	-45	-38	-34	1500
YLT00024T	-45	-38	-34	1500
YLT00025T	-45	-38	-34	1500
YLT00026T	-45	-38	-34	1500
YLT00027T	-45	-38	-34	1500

- OCL: 350uH min. with 8mA applied.
- MSL: 3
- Transformers with Operating temperature @ -40°C ~ +85°C are available upon request.

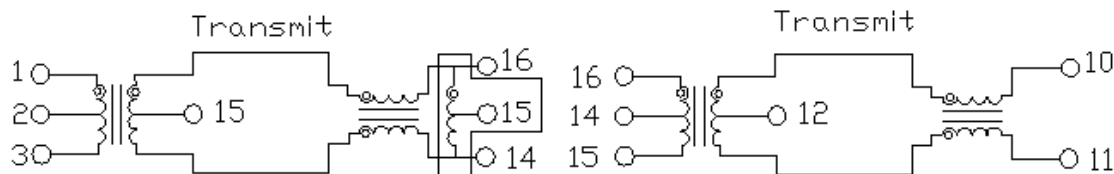
YLT Series

10/100 Base-TX Single Port Transformer Modules With Various Transmit Turns Ratios

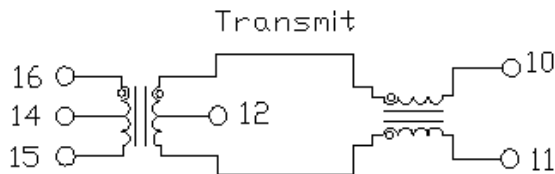
TRIGON
COMPONENTS

Schematics

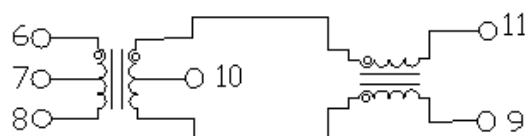
YLT00021T/YLT00023T/
YLT00024T/YLT00026T



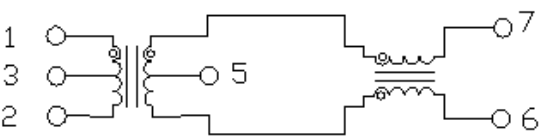
YLT00022T



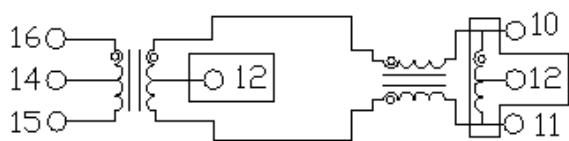
Receive



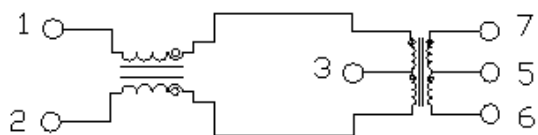
Receive



YLT00025T/YLT00027T
Transmit



Receive



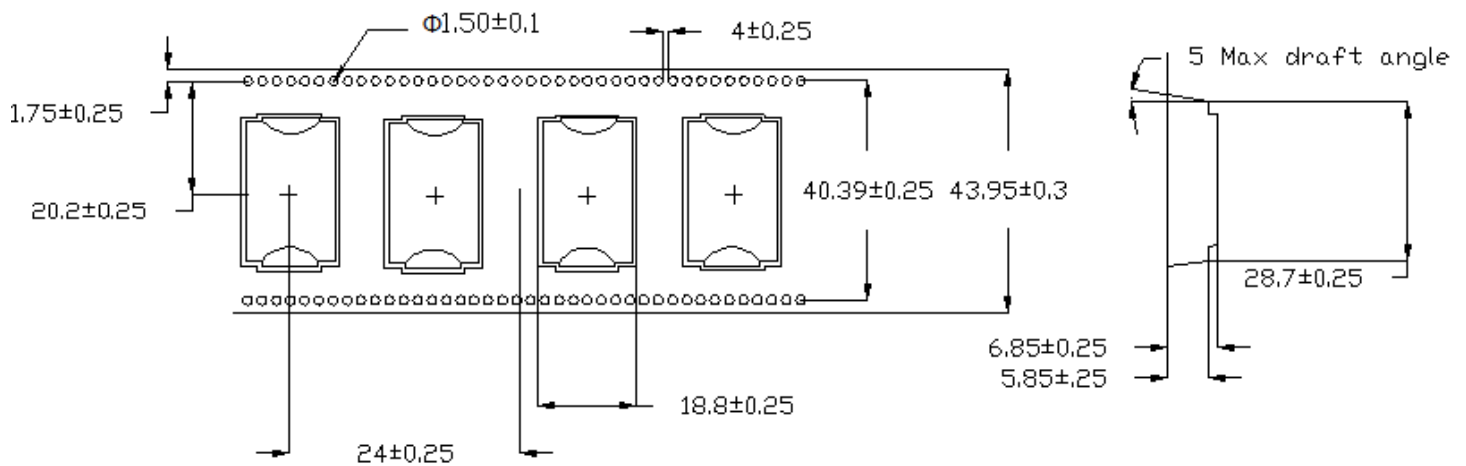
Note: The YLT00025T incorporates an autotransformer, so there is no connection to the TX transformer center tap.

YLT Series

10/100 Base-TX Single Port Transformer Modules With Various Transmit Turns Ratios **TRIGON**
COMPONENTS

Packing

Weight: 3.0 g
Tape/Reel: 350/reel
Tube: 20/tube



Bar Code Label

TRIGON	
CP/No: *****	RoHS Compliant
	
P/No: YLT *****	
	
Description:	LOT NO: XXXXXXXX
Multilayer Ferrite Chip Beads	
Q/ty: **** PCS	D/C: *****
	D/O: PO *****
Made in China	

YLT Series

10/100 Base-TX Single Port Transformer Modules With Various Transmit Turns Ratios

TRIGON
COMPONENTS

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