

# 10/100/1000 BASE-T ETHERNET ISOLATION TRANSFORMER

## MODEL NO:D72301



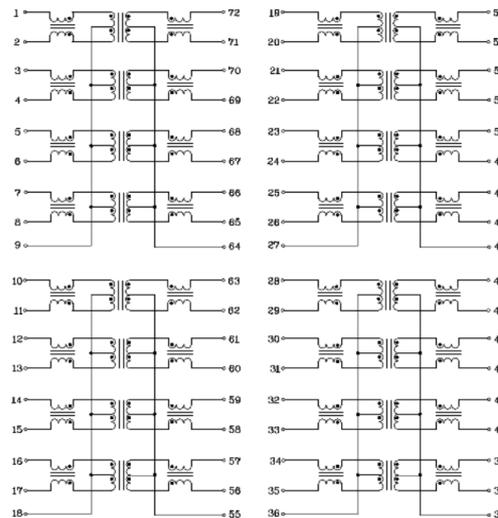
### Feature:

- ◆ Supports 16 pairs of category 5 UTP cable.
- ◆ Cable interface for isolation and low common mode emissions.
- ◆ Complying with IEEE 802.3ab standard for 1000 BASE-T.
- ◆ Complying with ROHS & Halogen Free requirements.
- ◆ Operating temperature range: 0°C to +70°C.
- ◆ Storage temperature range: -25°C to +85°C.

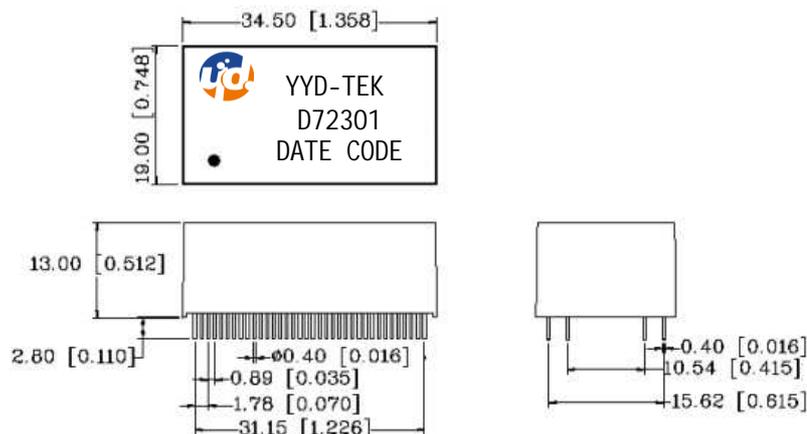
### Electrical Specifications@25°C

Turn Ratio (±3%)	OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	L. L (uHMax) @ 100KHz/0.1V	DCR (Ω Max)	C w/w (pF Max) @100KHz/0.1V	Cross talk dB Min.			HI-POT (Vrms)	
					30	60	100		
TX/TR	350uH min.	0.5	1.2	28	-40	-35	-30	1500	
1CT:1CT									
Insertion Loss (dB. max)		Return Loss (dB. min)				DCMR (dB. min)			
MHz		MHz				MHz			
0.5-100		1-30	40	50	60-80	100	30	60	100
-1		-18	-16	-14.1	-12.5	-10	-40	-35	-30

### Schematic:



### Mechanical:



Units: mm [Inches] Tolerances: xx.xx±0.25 [0.010]  
 0.xx±0.05 [0.002]