

## 100/1000Base-T Magnetics (Gigabit)

- \* Designed for Long Haul Gigabit Ethernet, 100/1000Base-T
- \* Pick & Place and IR Relfow Compatible
- \* 1:1 Turns Ratio
- \* Supports 4 Pairs of Catagory 5 UTP Cable
- \* Contains Transformers and Common Mode Chokes
- \* IEEE 802.3ab Compliant, Standard for 1000Base-T
- \* Custom Variations Available at No Extra Cost

### Electrical Specifications @ 25°C:

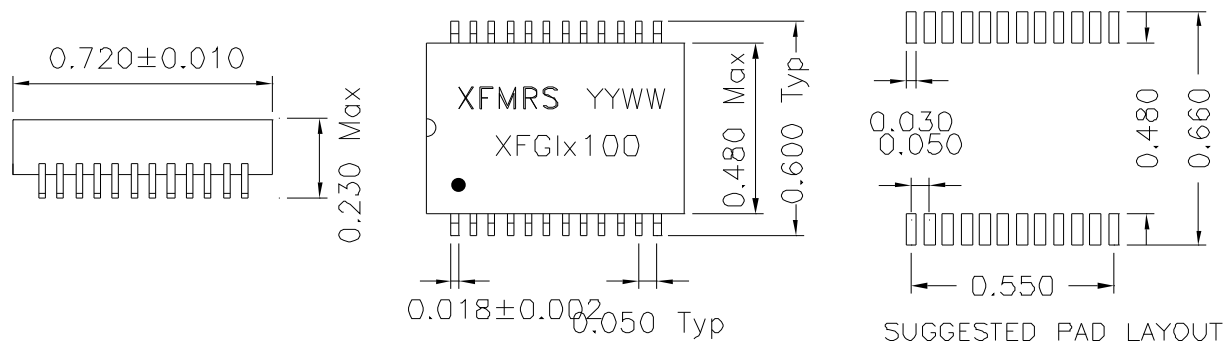
#### XFGIA100

ISOLATION: 1500 Vrms  
 TURNS RATIO: (PRI/SEC) 1CT:1CT ±2%  
 SEC OCL: 350uH MIN @100KHz 100mV 8mADC  
 Rise Time: 1.75ns Max.  
 INSERTION LOSS: -1.0dB MAX @1MHz-80MHz  
                   -1.1dB MAX @80-100MHz  
                   -1.5dB MAX @100-125MHz  
 RETURN LOSS: 18dB Min @1-10MHz  
                   15dB Min @30MHz  
                   12dB Min @80MHz  
                   10dB Min @100MHz  
 Common to Common Rejection:  
                   -60dB Min @1MHz  
                   -40dB Min @30MHz  
                   -35dB Min @80MHz  
                   -30dB Min @100MHz  
 CMRR: -30dB Min @1-60MHz  
 Crosstalk: -40dB Min @1-30MHz  
                   -30dB Min @100MHz

#### XFGIB100

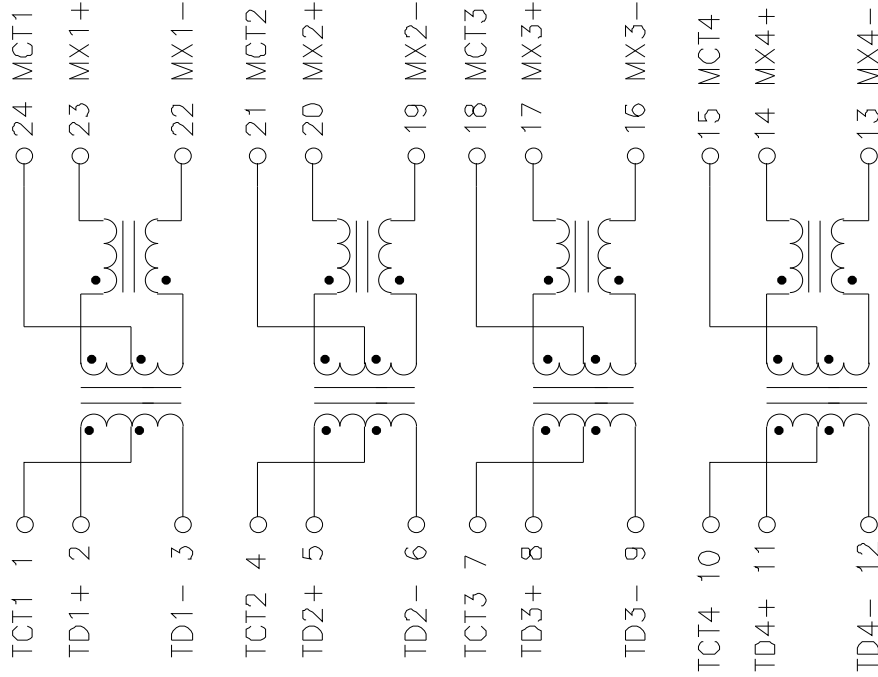
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### Dimensions:



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