



**10G BASE-T MAGNETICS MODULES**  
**Designed to support 10GBASE-T Transceivers**

**FEATURES**

- Compliant with IEEE802.3 standard
- Qualified with top 10Gig PHY Manufacturer
- ROHS peak reflow temperature rating:245°C
- Low profile package for PCI Express
- Fine-tuned magnetics to specific PHY vendors

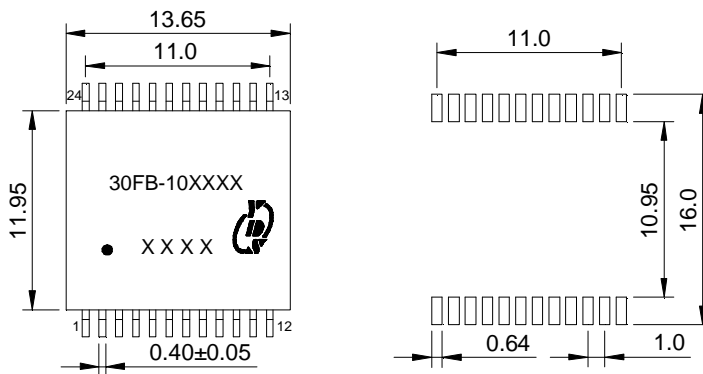


**ELECTRICAL SPECIFICATIONS @25°C-Operating temperature 0°C TO 70°C**

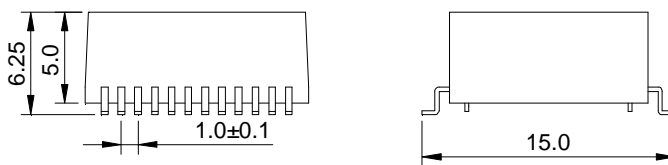
Part Number	Turns Ratio (±3%)	Insertion Loss (dB TYP)		Return Loss (dB MIN)		Common to Differential Mode Rejection (dB TYP)		Crosstalk (dB TYP)		Hipot V <sub>rms</sub> @60Hz
		0.1 MHz	1-500 MHz	1-40 MHz	40-500 MHz	1-250 MHz	250-500 MHz	1-100 MHz	100-500 MHz	
30FB-10AANL	1CT:1CT	-3.0	-1.0	-18	-17+10lg (f/40MHz)	-30	-22	-40	-30	1500
30FB-10BANL	1CT:1CT	-3.0	-1.0	-18	-17+10lg (f/40MHz)	-30	-22	-40	-30	1500
30FB-10DANL	1CT:1CT	-3.0	-1.0	-18	-17+10lg (f/40MHz)	-30	-22	-40	-30	1500

**MARKINGS AND DIMENSION**

**30FB-10**



**SUGGESTED PAD LAYOUT**



Dimensions:inches/mm

Unless otherwise specified, all tolerances are ±.010/±0.25

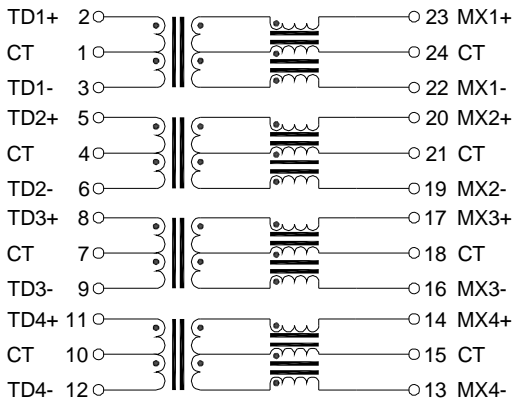


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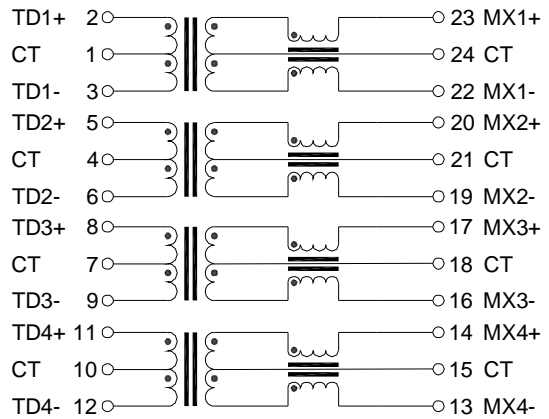
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### SCHEMATIC

#### 30FB-10AA



#### 30FB-10BA



#### 30FB-10DA

