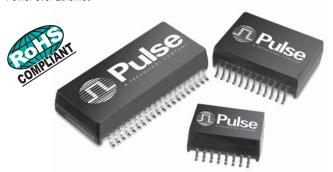
# Star Magnetics<sup>TM</sup> Gigabit Transformer Modules with PoE\* Option



\*Power over Ethernet

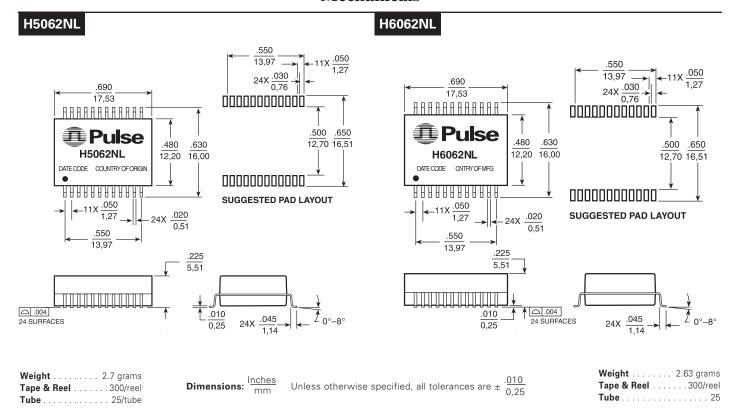


- RoHS reflow temperature rating 245° C
- Meets IEEE 802.3 specification
- Compact footprint

Electrical Specifications @ 25°C — Operating Temperature $0^{\circ}\mathrm{C}$ to $70^{\circ}\mathrm{C}$															
RoHS Compliant Part Number	PoE	Turns Ratio		Number of	Insertion Loss (dB MAX)							Crosstalk (adjacent channels dB MIN)			<b>Hipot</b> (Vrms MIN)
		Тх	Rx	Ports	0.1 MHz	100 MHz	125 MHz	30 MHz	60 MHz	80 MHz	100 MHz	30 MHz	60 MHz	100 MHZ	( VIIIIO IVIIIV)
H5062NL <sup>2a</sup>	No	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500
H6062NL <sup>2a</sup>	Yes	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500
H6080NL <sup>2a</sup>	Yes	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500

- 1. For Tape & Reel packaging add a "T" suffix to the end of the part number when ordering, e.g. H5062NLT
- 2. MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4 e=5

### **Mechanicals**

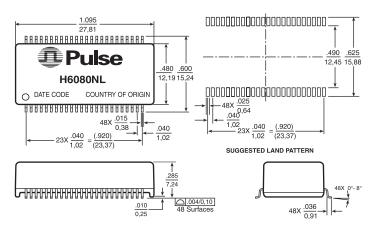


# Star Magnetics<sup>™</sup> Gigabit Transformer Modules with PoE\* Option



## Mechanicals (continued)

### H6080NL



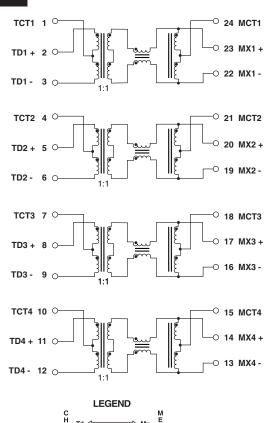
 $\textbf{Dimensions:} \ \frac{l_{\underline{nches}}}{mm}$ 

Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$ 

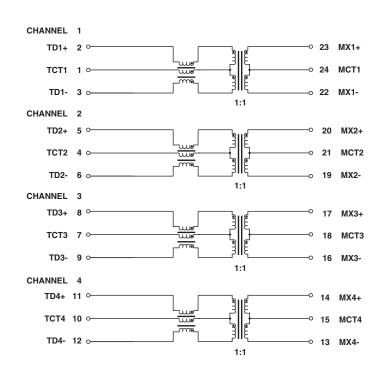
Weight ..... 4.0 grams
Tape & Reel .... 250/reel
Tube 15/tube

### **Schematics**

## H5062NL



### H6062NL



<sup>\*</sup>Power over Ethernet

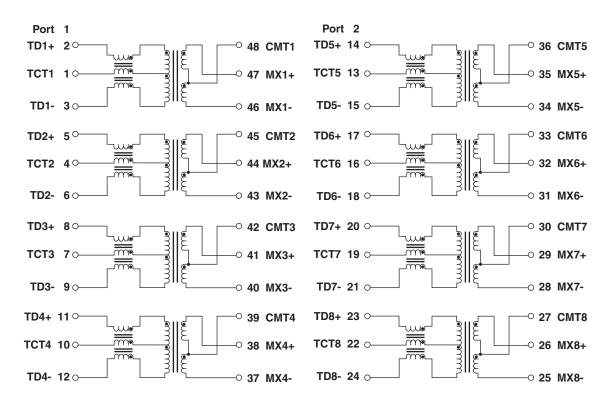
# Star Magnetics<sup>™</sup> Gigabit Transformer Modules with PoE\* Option



\*Power over Ethernet

## **Schematics** (continued)

### H6080NL



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