



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

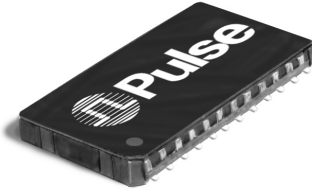
Email & Skype: info@chipsmall.com Web: www.chipsmall.com






Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



1000BASE-T MAGNETICS MODULE

Designed to Support Gigabit Transceivers



-  Designed for Long-haul Gigabit Ethernet (10/100/1000Base-T) applications
-  Cable interface for isolation and low common mode emissions
-  Smallest footprint to minimize board space
-  Compliant with IEEE 802.3ab standard
-  Compliant with RoHS Directive with peak solder rating of 245°C

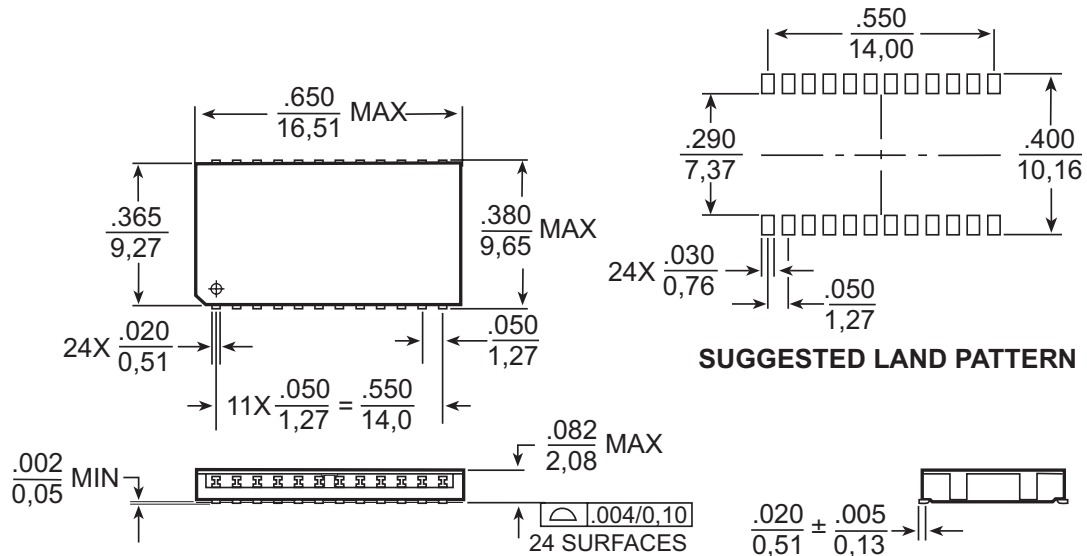
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	Insertion Loss (dB MAX)	Return Loss (dB MIN @ 100Ω)					Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN)
		1-100 MHz	1-30 MHz	40-50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
H5120NL ¹	1.0	-18	-16	-12	-10	-43	-37	-33	-45	-40	35	1500	

1. Add "T" to the end of the part number for Tape & Reel option. For example, H5120NL becomes H5120NLT.

Mechanical

H5120NL



Weight 0.54 grams
Tape & Reel 1000
Tube 30

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

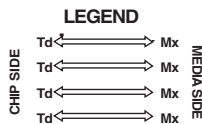
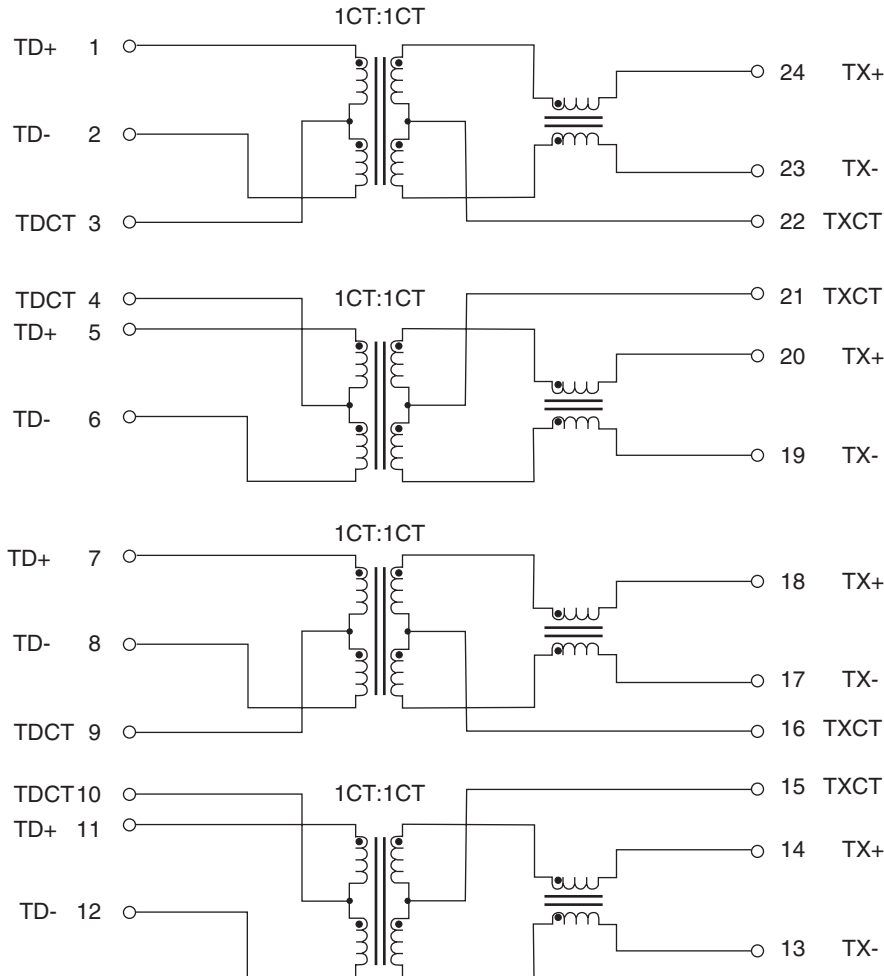
1000BASE-T MAGNETICS MODULE

Designed to Support Gigabit Transceivers



Schematic

H5120NL



For More Information:

Pulse Worldwide Headquarters

12220 World Trade Drive
San Diego, CA 92128
U.S.A.

www.pulseeng.com

TEL: 858 674 8100

FAX: 858 674 8262

Pulse Northern Europe

3 Huxley Road
Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom

TEL: 44 1483 401700

FAX: 44 1483 401701

Pulse Southern Europe

Zone Industrielle
F-39270
Orgelet
France

TEL: 33 3 84 35 04 04

FAX: 33 3 84 25 46 41

Pulse China Headquarters

No. 1
Industrial District
Changan, Dongguan
China

TEL: 86 769 85538070

FAX: 86 769 85538070

Pulse North China

Room 1503
XinYin Building
No. 888 YiShan Road
Shanghai 200233
China

TEL: 86 21 54643211/2

FAX: 86 21 54643210

Pulse South Asia

135 Joo Seng Rd.
#03-02
PM Industrial Bldg.
Singapore 368363

TEL: 65 6287 8998

FAX: 65 6280 0080

Pulse North Asia

No. 26
Kao Ching Road
Yang Mei Chen
Taoyuan Hsien
Taiwan, R. O. C.

TEL: 886 3 4641811

FAX: 886 3 4641911

This is a "Preliminary" product data sheet. Products mentioned on this data sheet are in development and in the process of being qualified. These products are not fully released nor are they in production. Features, specifications and performance of products offered are subject to change without notice. Other brand and product names mentioned herein may be products and/or registered trademarks of their respective owners. For current information on this product, please contact the Pulse office nearest you and ask for the "LAN Applications Engineer."

© Copyright, 2006. Pulse Engineering, Inc. All rights reserved.

www.pulseeng.com

H550.Q (1/09)