



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!



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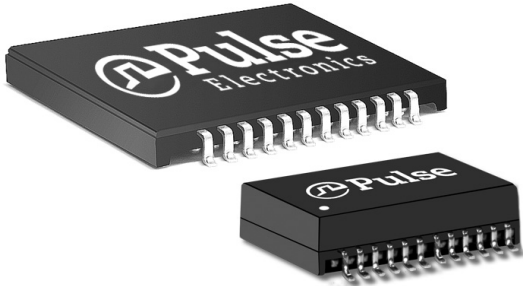
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1000Base-T Low Profile Magnetics Module

Designed to Support 1:1 Turns Ratios Receivers



- RoHS-6 peak reflow temperature rating 245°C
- Low profile package for mobile computer applications
- Compliant with IEEE 802.3ab standard

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

Part Number ¹	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	1-40 MHz	40-100 MHz	30-100 MHz	30-100 MHz	
H5019NL	-1.0	-18	-12 + 20*LOG10 (f/80)	-43 + 22*LOG10 (f/30)	-55 + 24*LOG10 (f/10)	1500
H5019BNL	-1.0	-18	-12 + 20*LOG10 (f/80)	-43 + 22*LOG10 (f/30)	-55 + 24*LOG10 (f/10)	1500
HX5019BNL ³	-1.0	-18	-12 + 20*LOG10 (f/80)	-43 + 22*LOG10 (f/30)	-55 + 24*LOG10 (f/10)	1500
HX5180NL ³	-1.0	-18	-12 + 20*LOG10 (f/80)	-43 + 22*LOG10 (f/30)	-55 + 24*LOG10 (f/10)	1500

Notes:

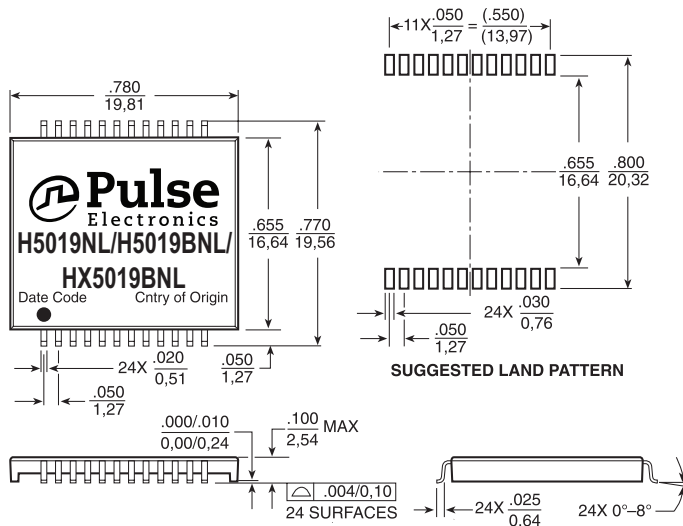
1. For Tape & Reel packaging, add a "T" suffix at the end of the part number, e.g. H5019NLT.
2. MSL: Moisture Sensitivity Level = 1
3. Extended Temperature: -40°C to +85°C

Mechanicals

Schematic

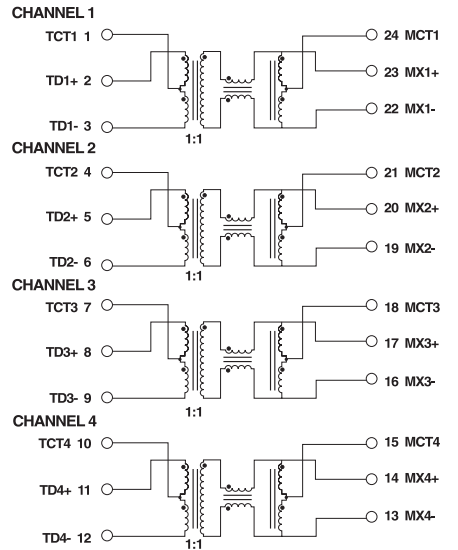
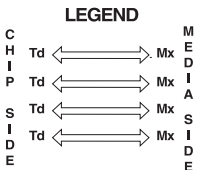
H5019NL/H5019BNL/HX5019BNL

H5019NL



Weight1.4 grams
Tape & Reel700
Tube25

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

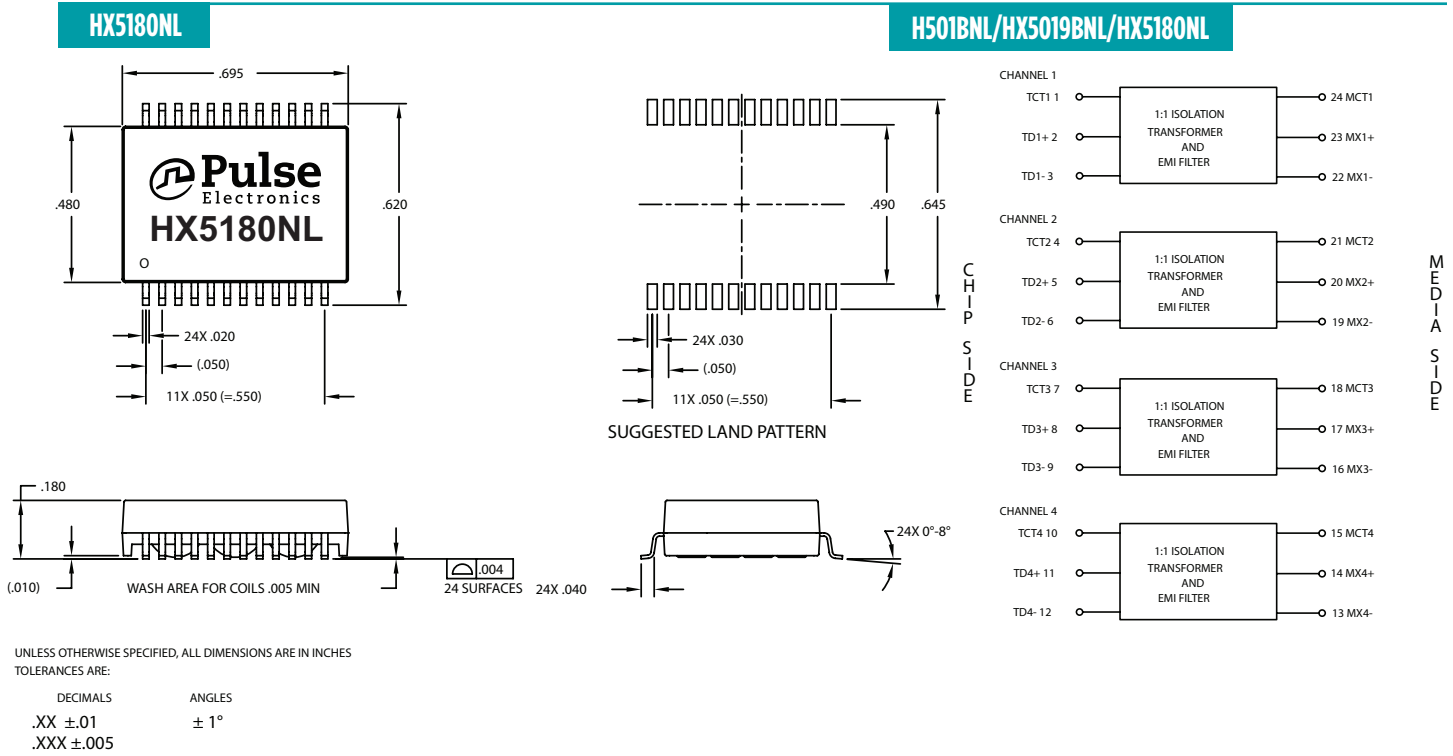


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Mechanicals

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