



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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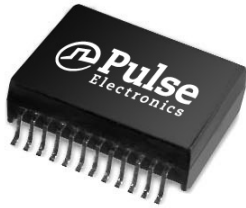
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# 1000 BASE-T TRANSFORMER MODULES

Military/Aerospace Grade



- Compliant with IEEE802.3 standards
- 350uH OCL with 8mA DC bias
- Operating temperature:** 1000B-5006: -40°C to +85°C  
1000B-5006X: -55°C to +125°C
- Epoxy encapsulated package withstands 235°C peak temperature profile

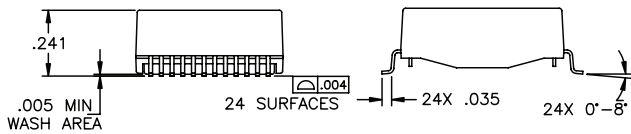
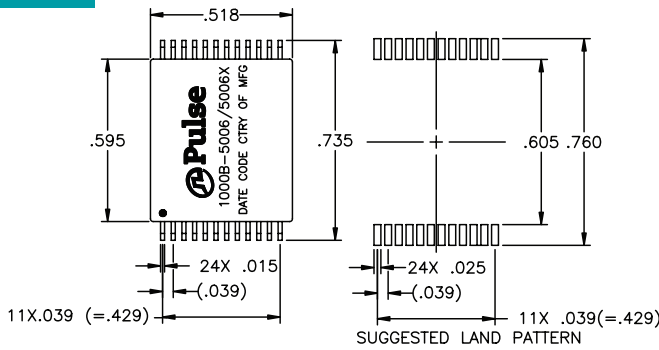
## Electrical specification @25°C

Part Number	Insertion Loss (dB MIN)	Return Loss (dB MAX)			Cross Talk (dB MAX)			Differential to Common Mode Rejection (dB MAX)			Hipot (Vrms)	
		0.1-100 MHz	5-30 MHz	50 MHz	60 MHz	80 MHz	30 MHz	60 MHz	100 MHz	1-30 MHz		30-60 MHz
1000B-5006	-1.2	-18	-13	-12	-10	-43	-37	-33	-43	-37	-30	1500
1000B-5006X	-1.4	-18	-13	-12	-10	-43	-37	-33	-43	-37	-33	1500

## Mechanicals

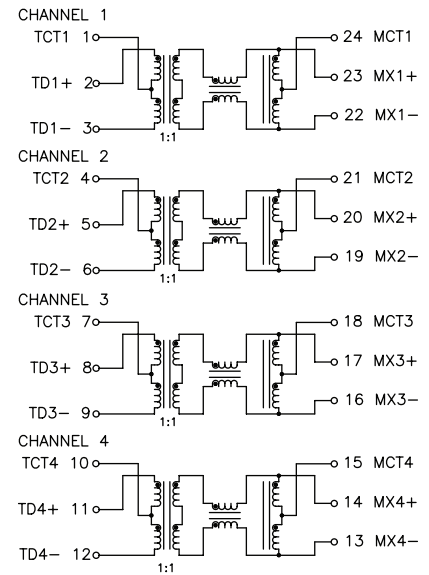
## Schematic

### 100B-5006/X



Weight..... 1.60grams  
Tape & Reel..... 350/reel  
Tube..... 35/tube

Dimensions: Inches / mm  
Unless otherwise specified, all tolerances are ± .010 / 0.25



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