



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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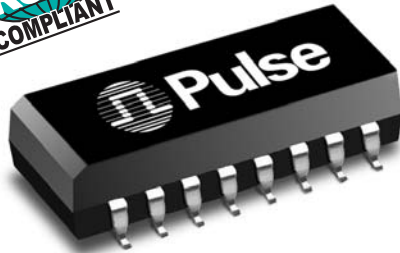
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EXTENDED TEMPERATURE SURFACE MOUNT 10BASE-T INTERFACE MODULES



Fully Integrated for Adapter, Hub and
Motherboard Applications



- For RoHS part add suffix **NL³**
- Peak solder temperature rating per Table 5-2 in IPC/JEDEC J-STD-020C
- Extended temperature operates from -40°C to +85°C
- Meets IEEE 802.3 specification
- EX2001 part is designed for AMD extended temperature transceiver

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

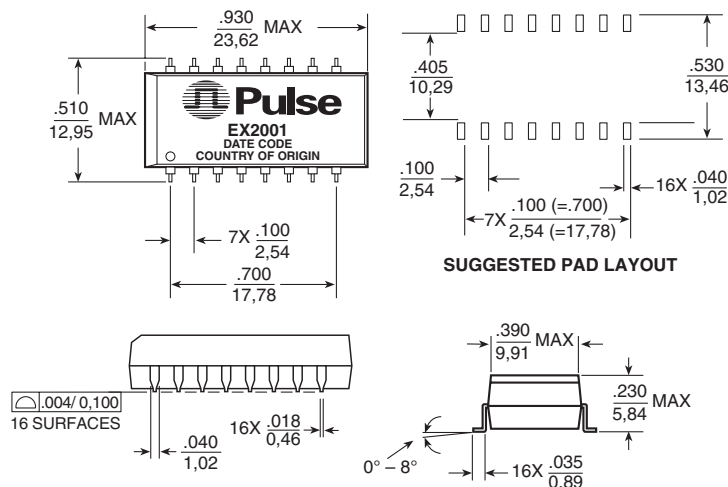
Part Number	RoHS	Insertion Loss	Attenuation (Transmit-dB MIN)				Return Loss 5-10MHz (dBMIN)		Crosstalk (dBMIN)	Common Mode Rejection (Transmit-dB MIN)					Hipot (Vrms MIN)
		1-10MHz	30MHz	50MHz	100MHz	100Ω	98Ω ±13	5-10 MHz	5MHz	10MHz	50MHz	100MHz	200MHz		
EX2001	NL2C	-1.0	-30	-35	-35	-18	-15	-35	-60	-60	-55	-50	-45	1800	

- For Tape & Reel packaging, add suffix "T" to the end of the part number e. g. EX2001T
- MSL=Moisture Sensitivity Level a=1 b=2 c=3 d=4
- Add suffix **NL** for RoHS compliant parts, e.g. EX2001 changes to EX2001NL or EX2001NL¹ (for Tape & Reel)

NOTE: Turns ratios are 1:1 for the EX2001. The receive and transmit sides meet IEEE 802.3i specifications. Specifications reflect filter sections.

Mechanical

EX2001



Weight 2.5 grams
Tape & Reel250/reel
Tube20/tube

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

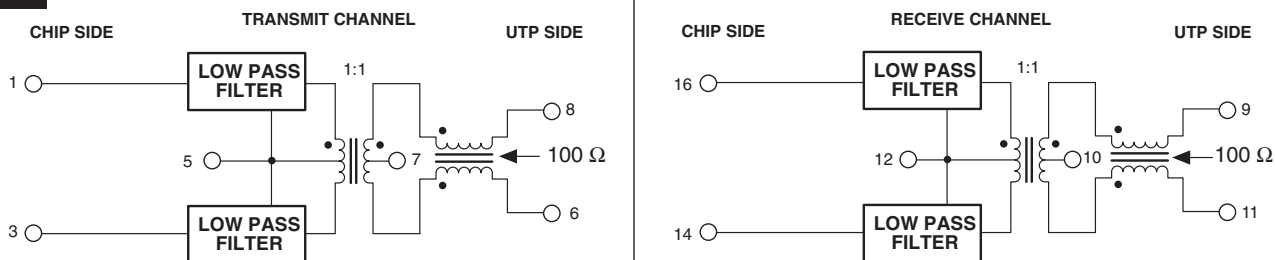
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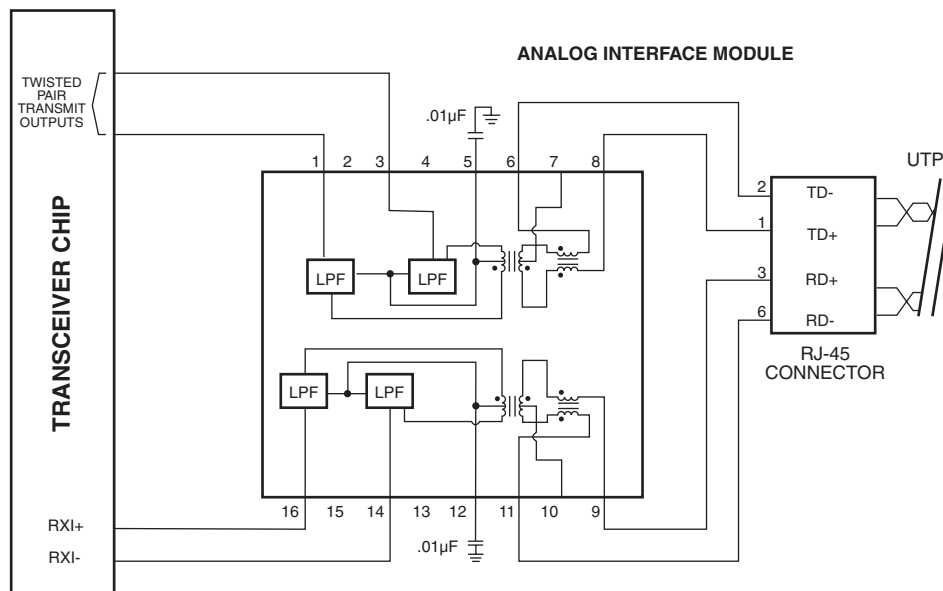
Schematics

EX2001



Typical Application Circuit

EX2001



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