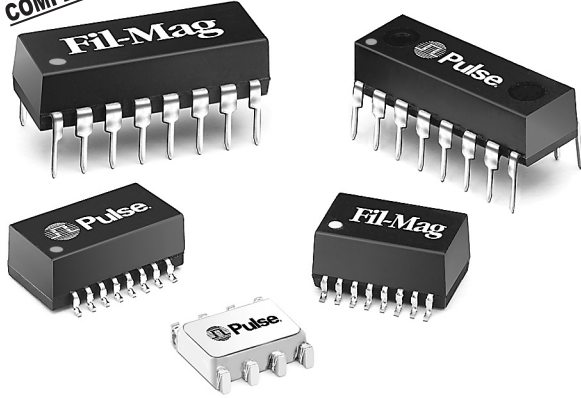






ISOLATION TRANSFORMERS FOR 10BASE-T

For Adapter Cards, MAUs, Hubs,
and Motherboard Applications



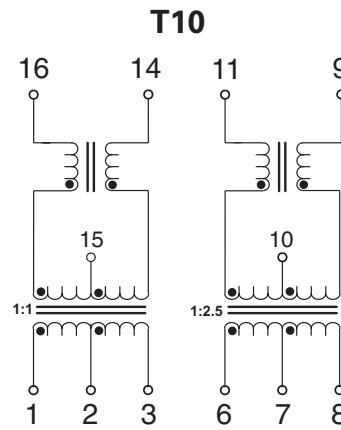
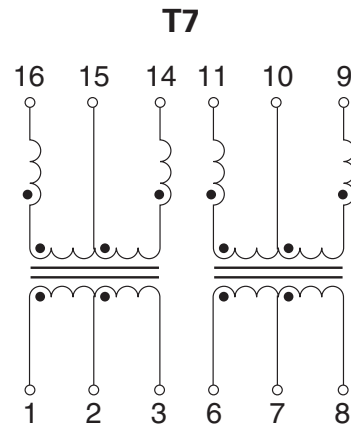
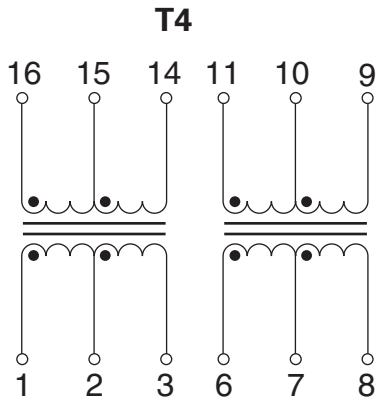
-  Peak solder temperature ratings per table 5-2 in IPC/JEDEC J-STD-020
-  Meets IEEE 802.3 specification
-  Available with common mode chokes for EMI suppression
-  Through hole, auto-insertable, 16-pin DIP package

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

Part ² Number	Turns Ratio (±5%)		Primary Pins	Common Mode Choke	Sine Wave Inductance OCL (μH MIN)	Interwinding Capacitance C _{ww} ¹ (pF MAX)	Leakage Inductance L _l ¹ (μH MAX)	DCR (Ω MAX)	Hipot (Vrms)	Schem.	Mech	
	Transmit	Receive										
SURFACE MOUNT²											PAGES 6-7	PAGES 8-9
23Z467SMNL ^{4a}	1CT:2CT	1CT:1CT	6-8/1-3	✓	140	12	0.2	0.6	2000	T7	SMT5	
E2023NL ^{4a}	1CT: 2.5CT	1CT: 1CT	6-8/1-3	✓	200	15	0.5	0.4	2000	T10	SMT4	
EX2024NL ^{4a}	1CT: 2.5CT	1CT:1CT	6-8/1-3	✓	350	30	0.8	0.6	2000	T10	SMT4	
PE-65745 ^{4c}	1CT: 1.414CT	1CT:1CT	6-8/1-3	—	140	12	0.2	0.3	1500	T4	SMT4	

1. OCL, C_{ww} and L_l are measured at 20 mVrms, 100 kHz.
2. For Tape & Reel packaging, add the suffix "T" to the end of the part number when ordering. e.g. E2023NL.
3. Part numbers denoted "EX" are extended temperature parts -40°C to 85°C, electrical specifications @ 25°C.
4. MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4

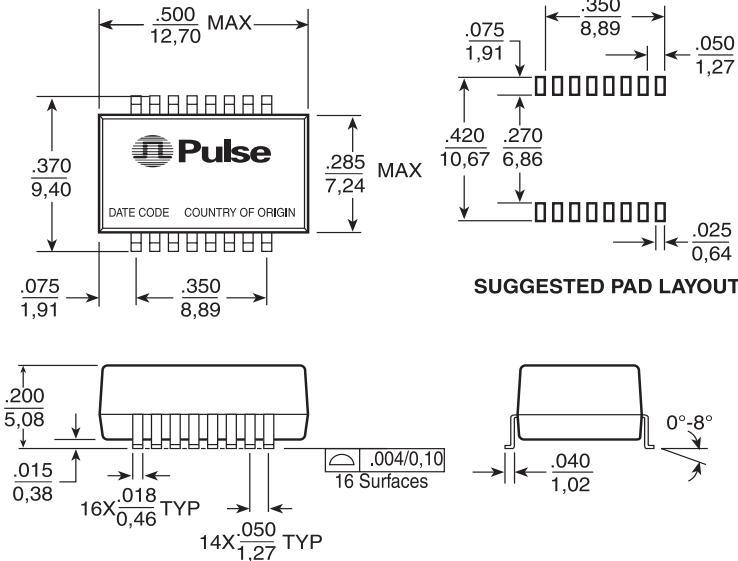
Schematics



PINS 4, 5, 12 AND 13 NOT CONNECTED.

Surface Mount Mechanicals

SMT4



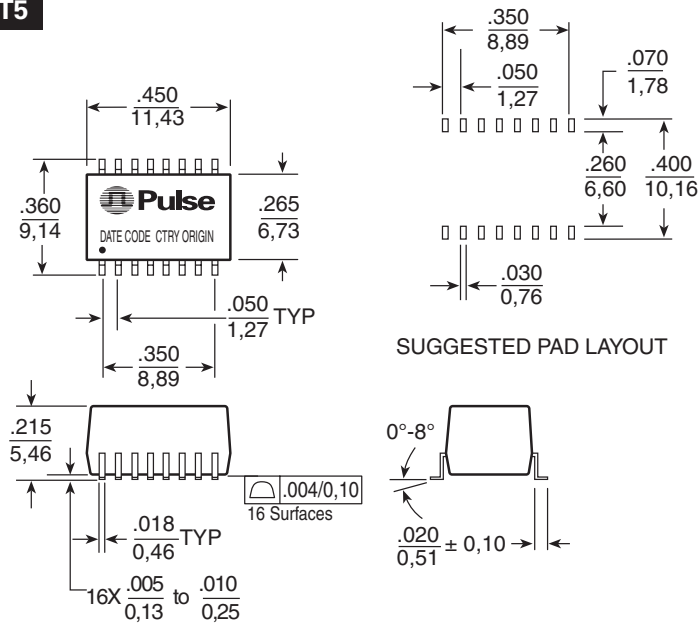
Dimensions: Inches
mm

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

Weight 0.82 grams
 Tube40/tube
 Tape & Reel 900/reel

Through Hole Mechanicals

SMT5



Dimensions: Inches
mm

Unless otherwise specified, all tolerances are $\pm \frac{.005}{0,13}$

Weight 0.85 grams
 Tube50/tube
 Tape & Reel 750/reel

For More Information:

Pulse Worldwide Headquarters
 12220 World Trade Dr.
 San Diego, CA 92128
 U.S.A.

Pulse Europe
 Zeppelinstrasse 15
 D-71083 Herrenberg
 Germany

Pulse China Headquarters
 B402, Shenzhen Academy of
 Aerospace Technology Bldg.
 10th Kejinan Rd.
 High-Tech Zone
 Nanshan District
 Shenzhen, PR China 518057

Pulse North China
 Room 2704/2705
 Super Ocean Finance Ctr.
 2067 Yan An Rd. West
 Shanghai 200336
 China

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

Pulse North Asia
 3F, No. 198
 Zhongyuan Rd.
 Zhongli City
 Taoyuan County 320
 Taiwan R. O. C.

www.pulseeng.com
 Tel: 858 674 8100
 Fax: 858 674 8262

Tel: 49 7032 7806 0
 Fax: 49 7032 7806 135

Tel: 86 755 33966678
 Fax: 86 755 33966700

Tel: 86 21 62787060
 Fax: 86 2162786973

Tel: 65 6287 8998
 Fax: 65 6287 8998

Tel: 886 3 4356768
 Fax: 886 3 4356823 (Pulse)
 Fax: 886 3 4356820 (FRE)

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2010. Pulse Engineering, Inc. All rights reserved.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Audio Transformers](#) / [Signal Transformers](#) category:

Click to view products by [Pulse manufacturer](#):

Other Similar products are found below :

[CX2041NLT](#) [MGPWT-00449-P](#) [PE-64961](#) [H1302FNLT](#) [H5008FNL](#) [H5012FNL](#) [H5020FNLT](#) [H5077NLT](#) [H5079NLT](#) [H5084FNLT](#)
[B78476A9558A003](#) [1812WBT2-4](#) [1879479-1](#) [HX2260FNL](#) [HX5014FNL](#) [EX2024FNL](#) [FL1066](#) [T1137NLT](#) [T3012NL](#) [PE-65812FNL](#) [PE-65848FNLT](#) [H1174FNL](#) [H1302FNL](#) [H5015FNL](#) [H5019EFNL](#) [H5062FNLT](#) [CX2047LNL](#) [MGPWT-00059-P](#) [MGPWT-00266-P](#) [MGPWT-00278-P](#) [MGPWT-00431-P](#) [TTC-100](#) [TTC-143-H](#) [TTC-5032-1](#) [BX1194WNLT](#) [HX1234NLT](#) [HX5008FNLT](#) [HX5019FNL](#) [HX5084NL](#) [3-1879385-5](#) [TX1263NLT](#) [4-1879391-0](#) [T1142NL](#) [HX6101FNL](#) [HX5084FNL](#) [HX1148NL](#) [HX5020FNLT](#) [HX5014FNLT](#) [T1124NL](#)
[1879732-1](#)