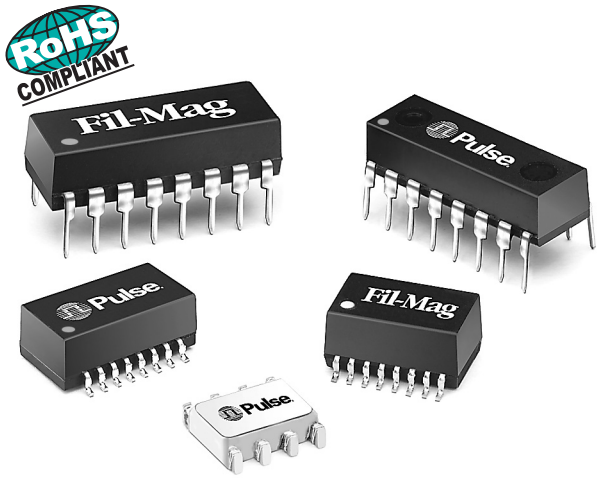
ISOLATION TRANSFORMERS FOR 10BASE-T

For Adapter Cards, MAUs, Hubs, and Motherboard Applications

Pulse
A TECHNITROL COMPANY
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- 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

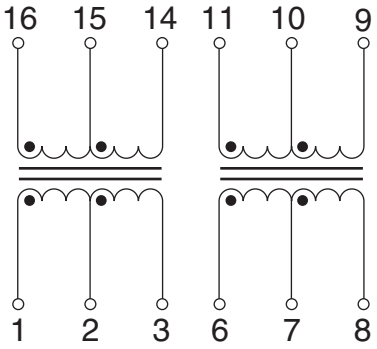
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part [2] Number	Turns Ratio (±5%)		Primary Pins	Common Mode Choke	Sine Wave Inductance OCL (µH MIN)	Interwinding Capacitance Cww[1] (pF MAX)	Leakage Inductance LL[1] (µH MAX)	DCR (Ω MAX)	Hipot (Vrms)	Schem.	Mech
	Transmit	Receive									
SURFACE MOUNT [2]										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

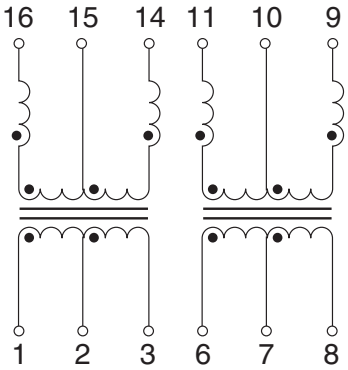
1. **OCL, Cww** and **LL** are measured at 20 mVrms, 100 kHz.
2. **For** Tape & Reel packaging, add the suffix **"T"** to the end of the part number when ordering. e.g. E2023NL**.**
3. **Part** numbers denoted "**EX"** are extended temperature parts -40ºC to 85ºC, electrical specifications @ 25ºC.
4.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

Schematics

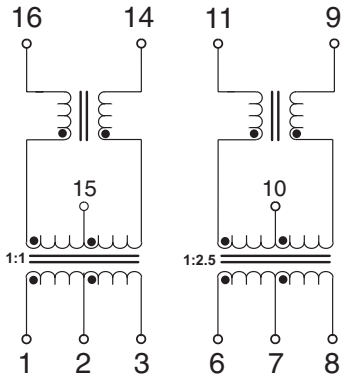
T4



T7



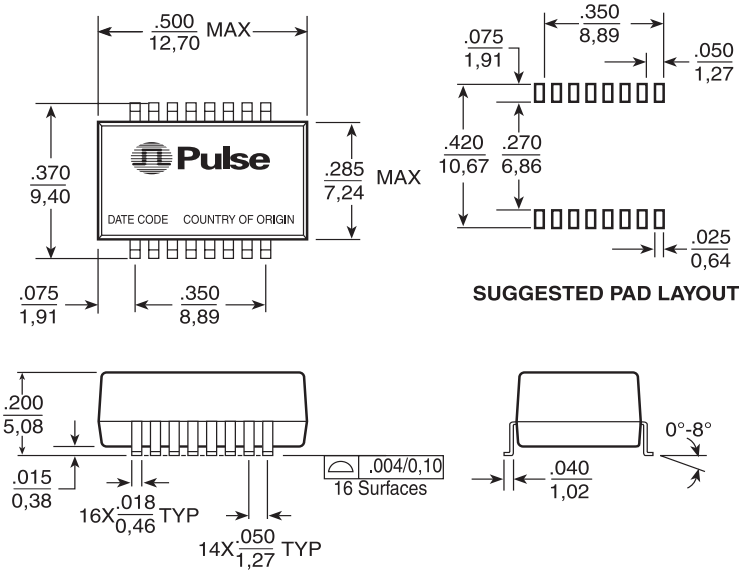
T10



PINS 4, 5, 12 AND 13 NOT CONNECTED.

Surface Mount Mechanicals

SMT4



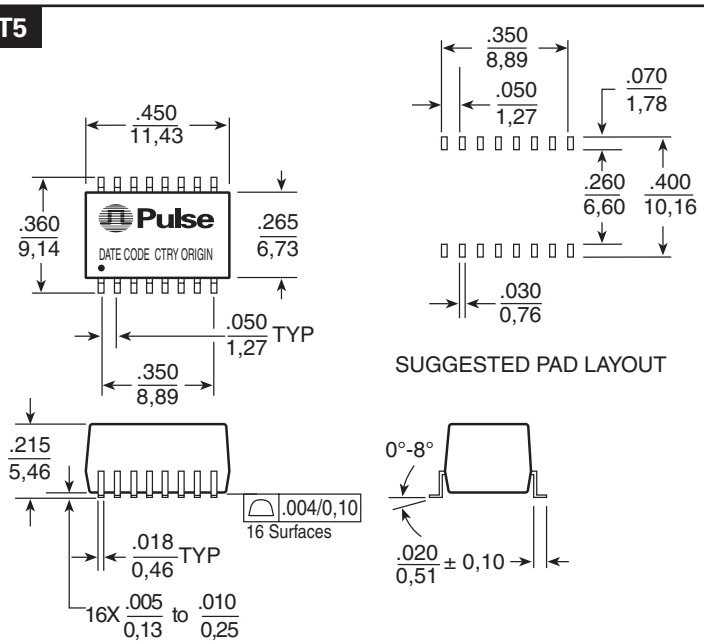
Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

Weight . . . . . .0.82 grams
Tube 40/tube
Tape & Reel 900/reel

Through Hole Mechanicals

SMT5



Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .005 / 0,13

Weight . . . . . .0.85 grams
Tube 50/tube
Tape & Reel 750/reel

For More Information:

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

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

Pulse Europe
Zeppelinstrasse 15
D-71083 Herrenberg
Germany

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

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Rd.
High-Tech Zone
Nanshan District
Shenzen, PR China 518057
Tel: 86 755 33966678
Fax: 86 755 33966700

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

Tel: 86 21 62787060
Fax: 86 2162786973

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

Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia
3F, No. 198
Zhongyuan Rd.
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823 (Pulse)
Fax: 886 3 4356820 (FRE)

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