

ISOLATION TRANSFORMERS FOR 10BASE-T APPLICATIONS

For Adapter Cards, Hubs and Motherboards



- Designed to meet or exceed IEEE802.3, 10Base-T specifications
- Peak solder reflow Temperature rating per Table 5-2 defined in IPC/JEDEC J-STD-020C
- Available with Common Mode Choke options for EMI suppression

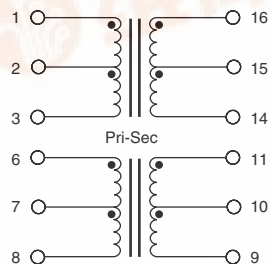
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number ^{1, 2}	Turns Ratio		Primary Pins TX/RX	Common Mode Choke	Inductance Primary (μH)	Interwinding Capacitance (pfMAX)	Leakage Inductance (μH MAX)	Winding Resistance (MAX)	Vrms
	Transmit	Receive							
E2452NL	1CT:1CT	1CT:1CT	1-3/6-8	None	140/140	12	0.3	0.3	1500
E2454NL	1CT:2CT	1CT:1CT	1-3/6-8	TX only	50/200	12	0.3	1.0	1500
E2457NL	1CT:1.41CT	1CT:1CT	6-8/1-3	None	140/140	12	0.2	0.3	1500
E2458NL	1CT:1.41CT	1CT:1CT	6-8/1-3	Shared	160/160	12	0.4	0.3	1500
E2466NL	1CT:2CT	1CT:1CT	6-8/1-3	None	20/100	12	0.3	0.6	1500
E2467NL	1CT:2CT	1CT:1CT	6-8/1-3	Shared	20/100	12	0.3	0.6	1500

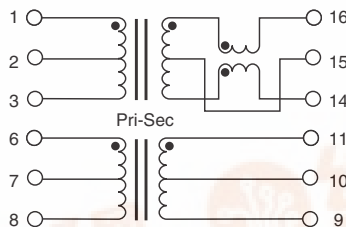
- All above parts Moisture Sensitivity Level (MSL) = 1
- All parts are supplied in Tubes but Tape & Reel options can be requested by adding "T" to the end of the part code, eg. E2457NLT will be the Tape & Reel version of E2457NL.

Schematics

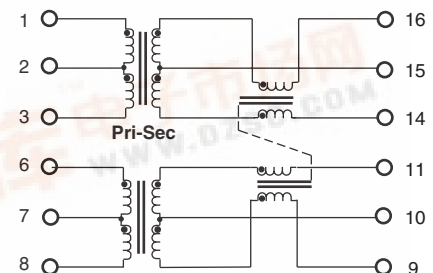
E24XXNL



Part without Choke



Part with TX Choke



Part including Shared Choke



查询"E2454NL"供应商



E24XXNL



Unless otherwise specified
all tolerances are $\pm \frac{.010}{.025}$

Weight0.85 grams
Tape & Reel40/reel
Tube600/tube

For More Information:

12220 World Trade Drive
San Diego, CA 92128
U.S.A.
www.pulseeng.com
TEL: 858 674 8100
FAX: 858 674 8262

3 Huxley Road
Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

No. 1
Industrial District
Changan, Dongguan
China
TEL: 86 769 5538070
FAX: 86 769 5538870

Room 1002
No. 819
Nanjing West Rd
Shanghai
China
TEL: 86 21 32181071
FAX: 86 21 32181396

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324

TEL: 65 6287 8998
FAX: 65 6280 0080

3F-4, No. 81, Sec. 1
Hsin Tai Wu Road
Hsi-Chih
Taipei Hsien
Taiwan
TEL: 886 2 26980228
FAX: 886 2 26980948

© Copyright, 2006. Pulse Engineering, Inc. All right reserved.