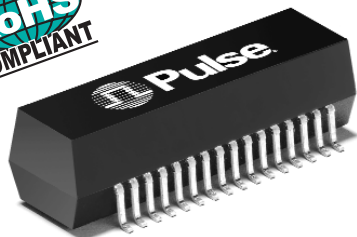







T3/DS3/E3/STS-1 TRANSFORMERS

Eight Transformers Designed for T3, DS3, E3 and STS-1 Interface



-  Eight transformers in a surface mount package
-  Models matched to leading transceiver ICs
-  Return loss meets requirements of G.703
-  Recognized by UL1950 (some parts pending approval)
-  Isolation voltage: 1500Vrms

Electrical Specifications @ 25°C

RoHS-5 Compliant PN#	RoHS-6 Compliant PN#	Turns Ratio (Pri:Sec ±2%)	OCL Primary @ 25°C (μH MIN)	LL (μH MAX)	C _{ww} (pF MAX)	Isolation Voltage (Vrms MIN)	Package/ Schematic	Primary Pins
T3048	T3048NL	1:1	40	.150	10	1500	YB/1	1-2, 3-4, 5-6, 7-8 9-10, 11-12, 13-14, 15-16
T3049	T3049NL	1:2	19	.150	10	1500	YB/1	1-2, 3-4, 5-6, 7-8 9-10, 11-12, 13-14, 15-16
TX3047*	TX3047NL*	1:1	100	.150	10	1500	YB/1	1-2, 3-4, 5-6, 7-8 9-10, 11-12, 13-14, 15-16
TX3045*	TX3045NL*	1:1 & 1:2	100 & 40	.120	10	1500	YB/1	1-2, 5-6, 9-10, 13-14 & 3-4, 7-8, 11-12, 15-16

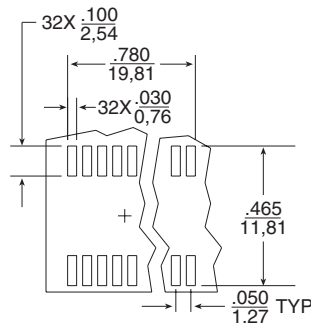
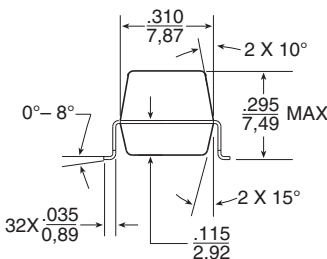
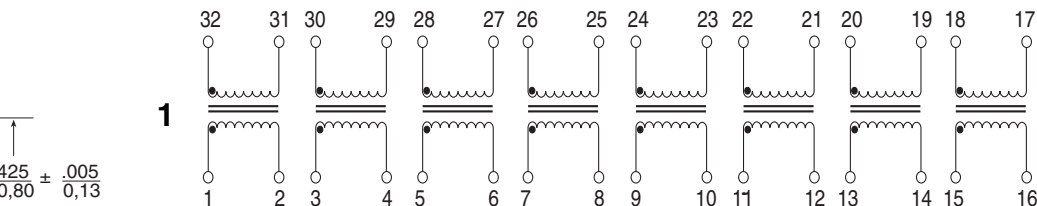
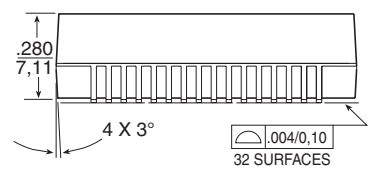
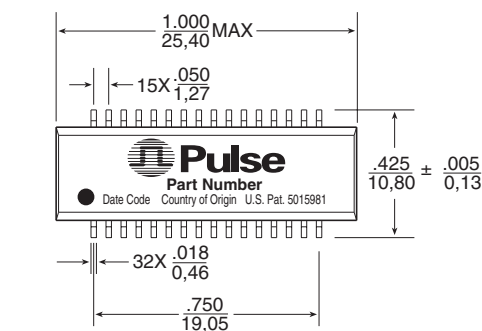
*NOTE: Operating Temperature Range: -40°C to +85°C.

For Tape & Reel packaging, add a "T" suffix to the part number when ordering (e.g. T3048 becomes T3048T, and T3048NL becomes T3048NLT).

Mechanical

Schematic

YB



Weight27 grams
Tape & Reel200/reel
Tube20/tube

Dimensions: Inches
mm
Unless otherwise specified,
all tolerances are ± .010
0,25

SUGGESTED PAD LAYOUT

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

Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 7806 116

Fax: 49 7032 7806 135

Pulse China Headquarters

No. 1
Industrial District
Changan, Dongguan
China

Tel: 86 769 85538070

Fax: 86 769 85538870

Pulse North China

Room 1503
XinYin Building
No. 888 YiShan Rd.
Shanghai 200233
China

Tel: 86 21 54643211/2

Fax: 86 21 54643210

Pulse South Asia

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

Tel: 65 6287 8998

Fax: 65 6280 0080

Pulse North Asia

No. 26
Kao Ching Rd.
Yang Mei Chen
Taoyuan Hsien
Taiwan, R. O. C.

Tel: 886 3 4641811

Fax: 886 3 4641911

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, 2006. Pulse Engineering, Inc. All rights reserved.

www.pulseeng.com

T663.B (9/06)