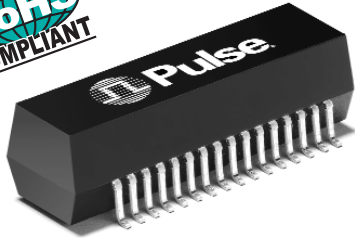


T3/DS3/E3/STS-1 TRANSFORMERS

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)	Cw/w (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

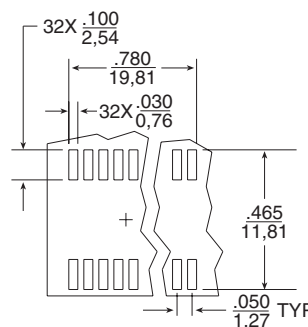
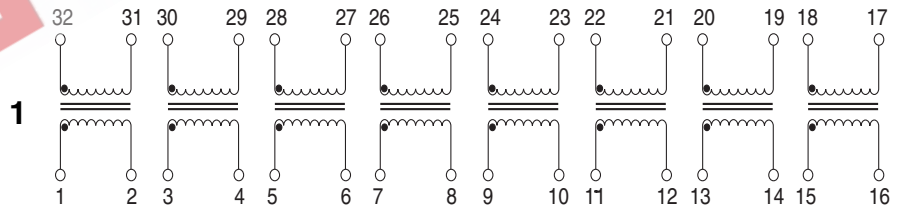
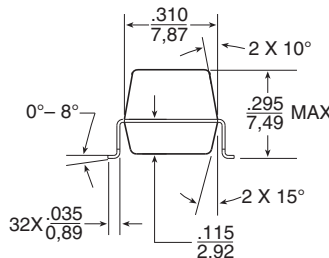
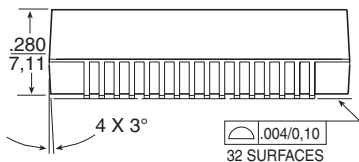
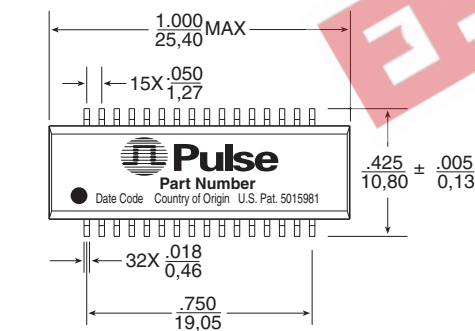
*NOTE: Operating Temperature Range: -40°C to +85°C.

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



SUGGESTED PAD LAYOUT

Weight 2.7 grams
Tape & Reel200/reel
Tube20/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$

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