

ISDN U-INTERFACE SURFACE MOUNT TRANSFORMERS

For Applications in 2B1Q Coding

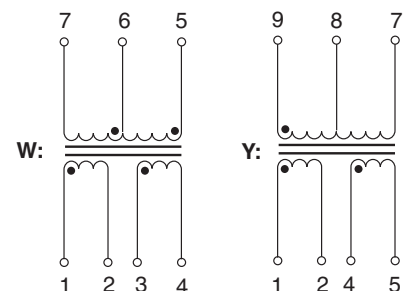
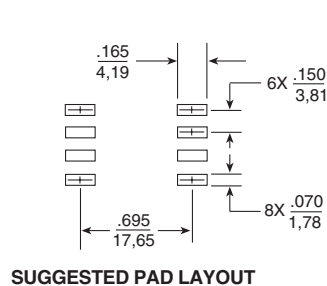
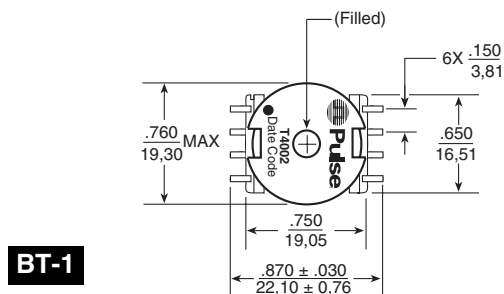


- Characteristics matched to leading transceiver ICs
- Meets ANSI T1.601-1992 and ETSI ETR 080 standards for longitudinal balance, linearity and return loss
- Minimum Isolation: 2000Vrms

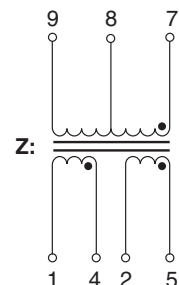
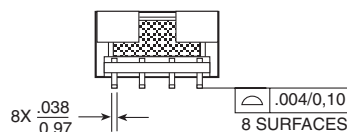
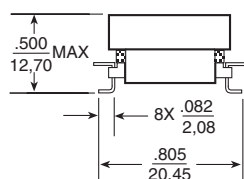
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C								
Part Number	Turns Ratio Line:Chip (±3%)	Line Side Pins	OCL Line side (mH)	DCR Line Side (Ω)	DCR Chip Side (Ω)	IDC (mA)	Isolation Voltage (Vrms MIN)	Package/ Schematic
T4001	1.25:1	(1-5)	26.5-30.0	12.4 MAX	7.0 MAX	80	2000	BT-2/Y
T4002	1.65:1	(1-4)	15.0-18.0	5.2 ± 15%	3.0 ± 15%	50	2000	BT-1/W
T4004	1.50:1	(1-5)	25.6-28.4	20.0 MAX	3.0 MAX	60	2000	BT-2/Z
T4006	1.50:1	(1-5)	14.2-15.8	16.0 MAX	2.5 MAX	60	2000	BT-2/Z

Mechanicals

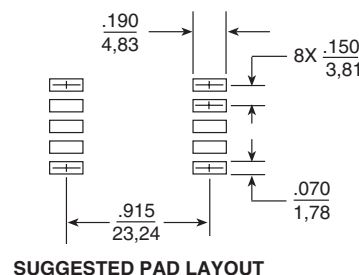
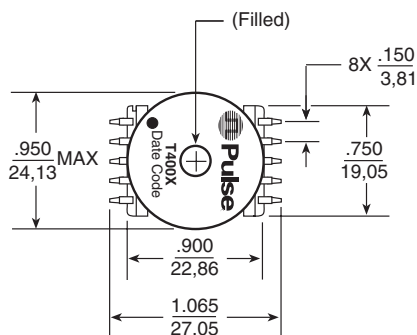
Schematics



BT-1



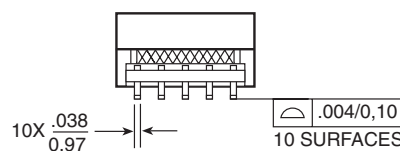
BT-2



	BT-1	BT-2
Weight	9.5 grams	15.0 grams
Pan Size	30/tray	24/tray
Dimensions: $\frac{\text{Inches}}{\text{mm}}$		

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

Fuji IP III Machine:
 Nozzle: AQNA-3230
 Rubber pad: UP5X20EN



ISDN U-INTERFACE SURFACE MOUNT TRANSFORMERS

For Applications in 2B1Q Coding



Additional Specifications

Return Loss (10 and 25 KHz)	Longitudinal Balance	Surge Voltage Capability
20 dB MIN	281 Hz to 40 KHz 55 dB MIN	Metallic @ 800 V Peak 10/700 µsec
—	Above 40 KHz -20 dB/decade	Long. @ 2400 V Peak 10/560 µsec

Transformer Selection

Company	Chip	Transformer 2000 Vrms Isolation
Motorola	MC145572	T4001
Siemens	PEB 2091	T4002
National	TP 3410	T4004
Thomson	SD5411	T4006

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 0

Fax: 49 7032 7806 12

Pulse China Headquarters

B402, Shenzhen
Tech-Innovation International
Tenth Kejinan Rd.
High-Tech Industrial Park
Nanshan District, Shenzhen
China

Tel: 86 755 33966678

Fax: 86 755 33966700

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
Tao Yuan 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, 2007. Pulse Engineering, Inc. All rights reserved.

www.pulseeng.com

T614.B (10/07)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[T4004](#) [T4001](#) [T4006](#)