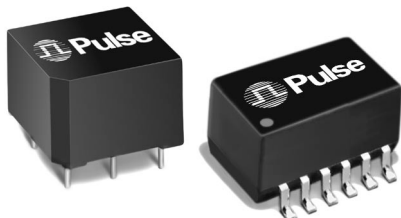


64 KBPS INTERFACE TRANSFORMERS

Designed for G.703 Codirectional Interface

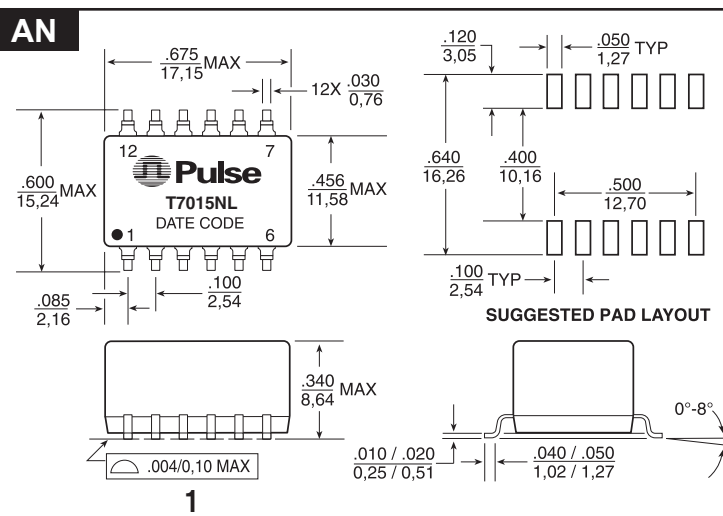
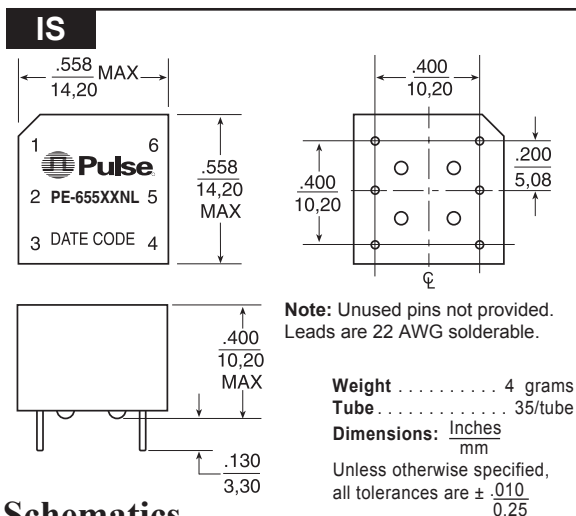


- Single and dual transformer modules for ITU G.703 codirectional applications
- Transformers matched to the integrated circuit
- Provide 1500 Vrms minimum isolation

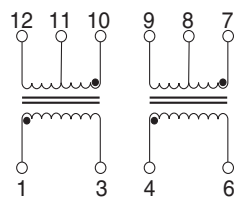
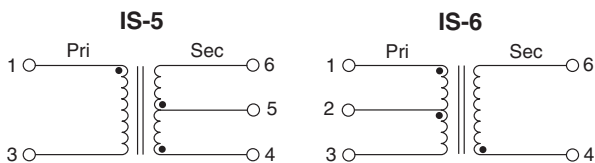
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	Turns Ratio (±3%)	OCL (mH MIN)	LL (μH MAX)	Cw/w (pF MAX)	DCR pri (Ω MAX)	DCR sec (Ω MAX)	Package/ Schematic	Matched To
PE-65535NL	1:2CT	20.0	5.0	130	2.65	5.0	IS/5	EXAR XR6164 XR-T6165, XR-T6166
PE-65540NL	1CT:1	10.0	5.0	100	2.60	2.6	IS/6	—
T7015NL	1:2CT & 1:2CT	20.0	5.0	130	2.80	5.6	AN/1	—

Mechanicals



Schematics



Weight 4.0 grams
Tape & Reel 250/reel
Tape 30/tube
Dimensions: Inches mm
 Unless otherwise specified, all tolerances are ± .010 / 0.25

The CCITT recommendations G.703 describe the physical and electrical characteristics of digital interfaces at 64 Kbps. PE-65535NL listed above has been designed for the codirectional interface and matches the driver/receiver chips from EXAR

(XR6164, XR-T6165, and XR-T6166). The characteristics of these transformers allow the pulse to comply with the pulse masks in the 120 Ω system.

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 135

Pulse China Headquarters
 B402, Shenzhen Academy of
 Aerospace Technology Bldg.
 10th Kejian Rd.
 High-Tech Zone
 Nanshan District
 Shenzhen, 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: FRE 886 3 4356820
 Pulse: 886 3 4356823

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.

Printed on recycled paper. ©2010, Pulse Engineering, Inc.

T611.D (9/10)