

64 KBPS INTERFACE TRANSFORMERS

Designed for G.703 Codirectional Interface

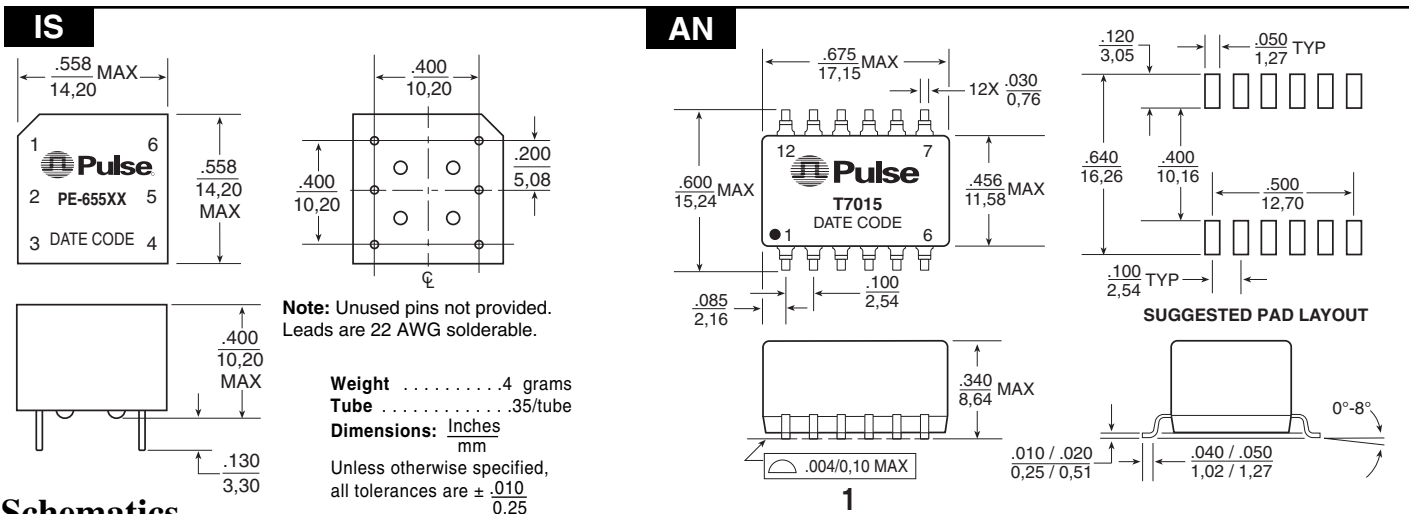


- Single and dual transformer modules for ITU G.703 codirectional applications
- Transformers matched to the integrated circuit
- Provide 1500 Vrms minimum isolation

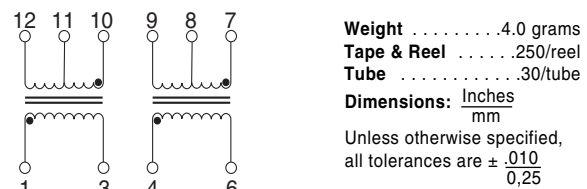
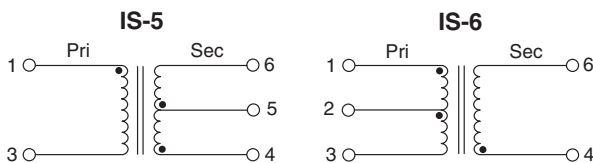
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

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-65535	1:2CT	20.0	5.0	130	2.65	5.0	IS/5	EXAR XR6164 XR-T6165, XR-T6166
PE-65540	1CT:1	10.0	5.0	100	2.60	2.6	IS/6	—
T7015	1:2CT & 1:2CT	20.0	5.0	130	2.80	5.6	AN/1	—

Mechanicals



Schematics



The CCITT recommendations G.703 describe the physical and electrical characteristics of digital interfaces at 64 Kbps. PE-65535 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 :

UNITED STATES (Worldwide)	UNITED KINGDOM (Northern Europe)	FRANCE (Southern Europe)	SINGAPORE (Southern Asia)	TAIWAN, R.O.C. (Northern Asia)	HONG KONG (China/Hong Kong)	DISTRIBUTOR
12220 World Trade Drive San Diego, CA 92128 U.S.A. http://www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262	1 & 2 Huxley Road The 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	150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 6287 8998 FAX: 65 6280 0080	3F-4, No. 81, Sec. 1 HsinTai Wu Road Hsi-Chih, Taipei Hsien Taiwan, R.O.C. Tel: 886 2 2698 0228 FAX: 886 2 2698 0948	9/F, Phase 2, Tai Sang Shatin Warehouse Centre 6 Wong Chuk Yeung Street Fotan, Shatin, Hong Kong TEL: 852 2788 6588 FAX: 852 2776 1055	

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. ©2003, Pulse Engineering, Inc.

T611.C (1/03)