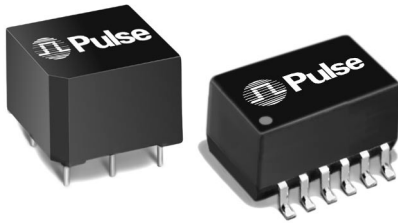


# 64 KBPS INTERFACE TRANSFORMERS

## Designed for G.703 Codirectional Interface

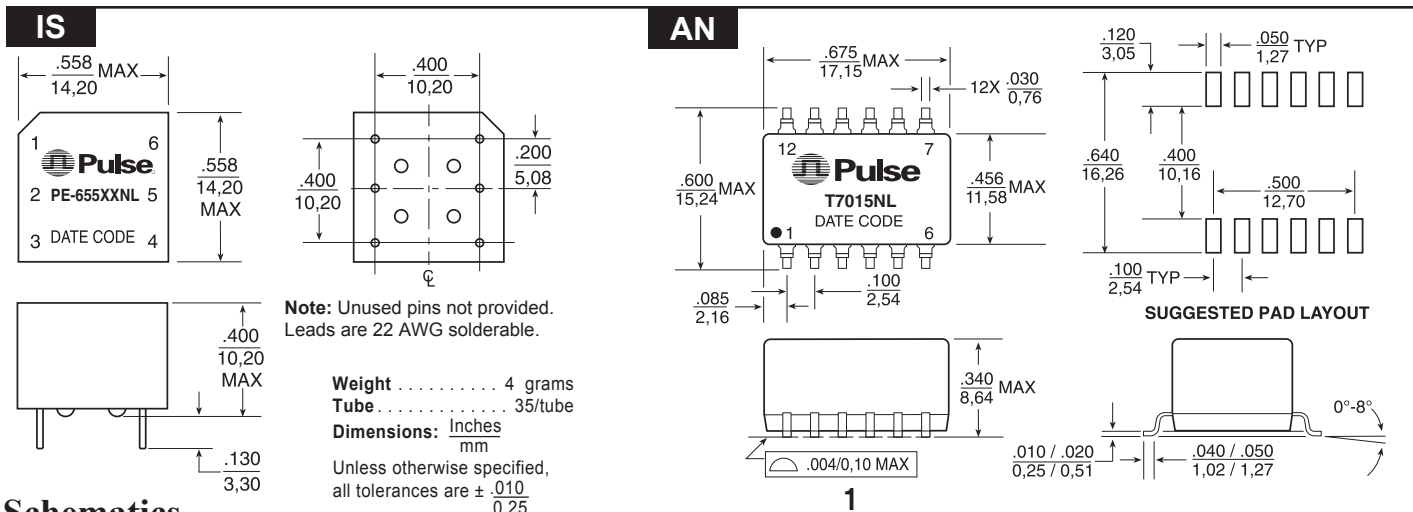


- Single and dual transformer modules for ITU G.703 codirectional applications
- Transformers matched to the integrated circuit
- Provide 1500 Vrms minimum isolation

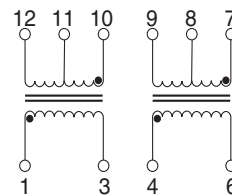
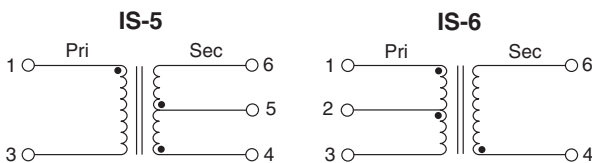
### Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

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



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 :

<p><b>Pulse Worldwide Headquarters</b>          12220 World Trade Dr.          San Diego, CA 92128          U.S.A.  <a href="http://www.pulseeng.com">www.pulseeng.com</a>          Tel: 858 674 8100          Fax: 858 674 8262</p>	<p><b>Pulse Europe</b>          Einsteinstrasse 1          D-71083 Herrenberg          Germany          Tel: 49 7032 7806 0          Fax: 49 7032 7806 135</p>	<p><b>Pulse China Headquarters</b>          B402, Shenzhen Academy of          Aerospace Technology Bldg.          10th Kejianan Rd.          High-Tech Zone          Nanshan District          Shenzhen, PR China 518057          Tel: 86 755 33966678          Fax: 86 755 33966700</p>	<p><b>Pulse North China</b>          Room 2704/2705          Super Ocean Finance Ctr.          2067 Yan An Rd. West          Shanghai 200336          China          Tel: 86 21 62787060          Fax: 86 2162786973</p>	<p><b>Pulse South Asia</b>          135 Joo Seng Rd.          #03-02          PM Industrial Bldg.          Singapore 368363          Tel: 65 6287 8998          Fax: 65 6287 8998</p>	<p><b>Pulse North Asia</b>          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</p>
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