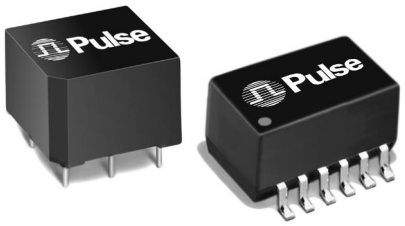
64 KBPS INTERFACE TRANSFORMERS

Designed for G.703 Codirectional Interface

Pulse
A TECHNITROL COMPANY

RoHS COMPLIANT



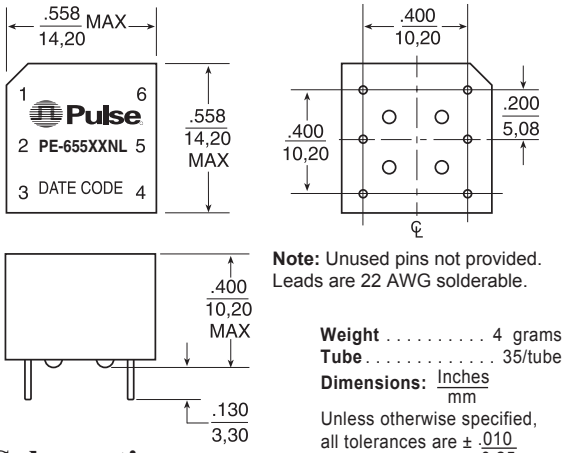
- Single and dual transformer modules for ITU G.703 codirectional applications
- Transformers matched to the integrated circuit
- Provide 1500 Vrms minimum isolation

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

IS

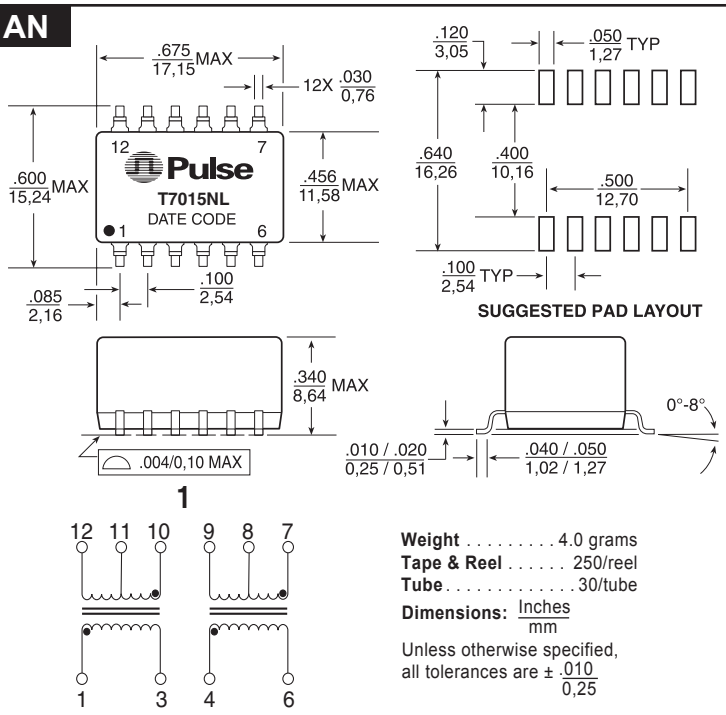


Note: Unused pins not provided. Leads are 22 AWG solderable.

Weight . . . . . 4 grams
Tube 35/tube
Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

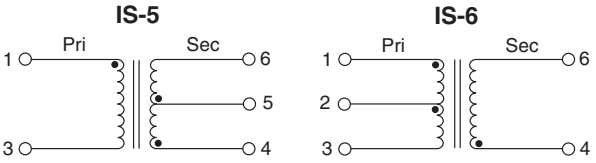
AN



Weight . . . . . 4.0 grams
Tape & Reel 250/reel
Tube 30/tube
Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

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.

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