

# 64 KBPS INTERFACE TRANSFORMERS

## Designed for G.703 Codirectional Interface

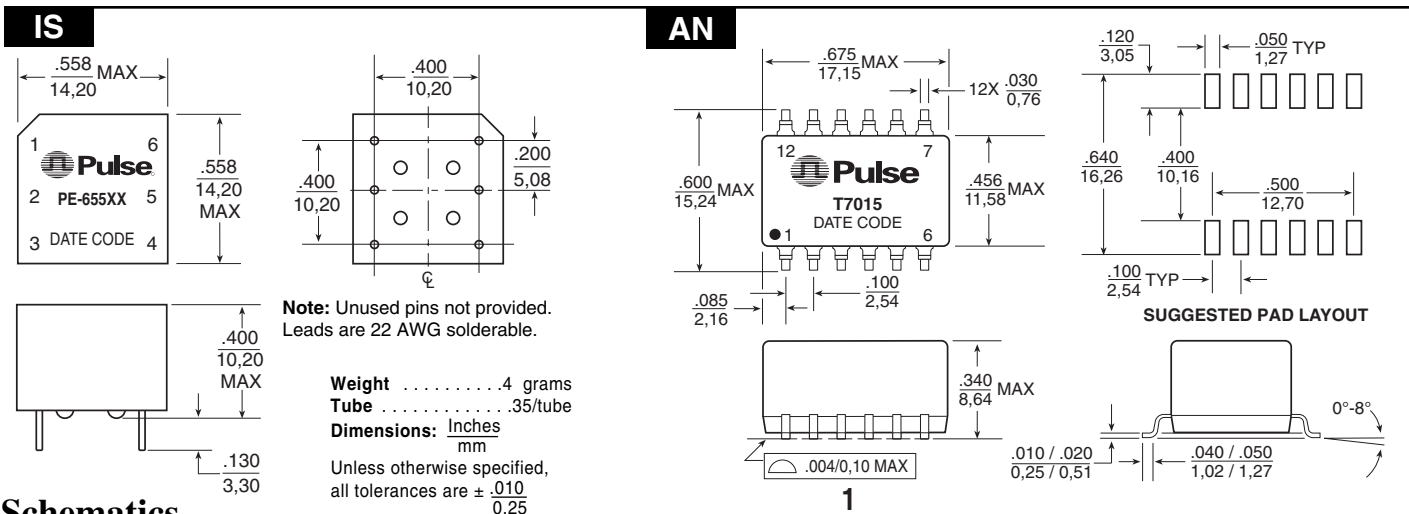


- Single and dual transformer modules for ITU G.703 codirectional applications
- Transformers matched to the integrated circuit
- Provide 1500 Vrms minimum isolation

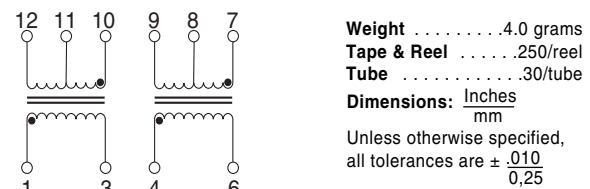
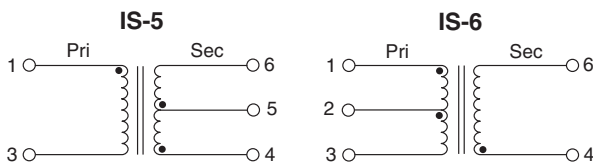
### Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

| 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<br>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.

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