

# C2550

REV  
J

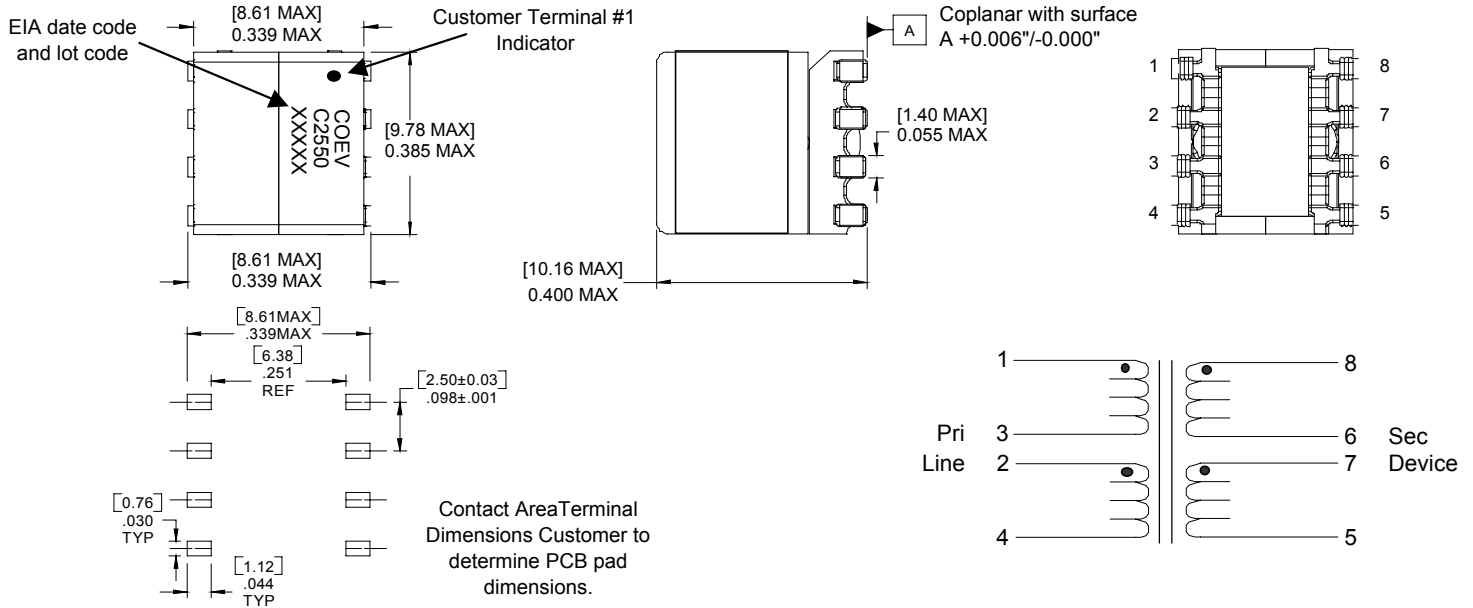
# COEV MAGNETICS

tyco Electronics

**Product Description**

**850µH 1:1 ADSL Line Isolation Transformer**

**Meets the requirements of IEC60950 for supplementary insulation, 250V working voltage**



Information subject to change without notice. 11/02

Primary units are in inches. Millimeters are in brackets.

### Electrical Specifications at +20°C unless noted otherwise

| Test Description           | Limit       | Units | Tol   | Notes   |
|----------------------------|-------------|-------|-------|---|
| Inductance                 | 850.00      | µH    | ±5%   | 1-4 tie( 2+3 ), 10kHz, 100mVAC, Ls.                               |
| Leakage Inductance         | 5.50        | µH    | Max.  | 1-4 tie( 3+2, 6+7, 8+5 ), 100kHz, 100mVAC, Ls.                    |
| DC Resistance              | 1.10        | Ω     | ±10%  | 1-3   |
| DC Resistance              | 1.25        | Ω     | ±10%  | 8-6   |
| DC Resistance              | 1.30        | Ω     | ±10%  | 2-4   |
| DC Resistance              | 1.45        | Ω     | ±10%  | 7-5   |
| Turns Ratio                | 1.00 : 1.00 | ---   | ±1%   | ( 1-4 ) : ( 8-5 ) tie( 2+3,6+7 ), 10KHz, 100mVAC.                 |
| Dielectric                 | 1,875       | VAC   | 500µA | 1-8 tie( 2+3,6+7 ), 1 second test, 500µA maximum leakage current. |
| Total Harmonic Distortion  | -90.00      | dB    | Max.  | 40kHz, 2.5Vrms [ 7.07 Vp-p ], Line : IC, 0DC.                     |
| Insertion Loss             | 0.50        | dB    | Max.  | 100kHz, 0DC.  |
| Frequency Response         | ±0.50       | dB    | ---   | 30kHz - 1.1MHz, 100kHz Reference, 0DC.                            |
| Longitudinal Balance (ITU) | 40.00       | dB    | Min.  | 1.1MHz, Gnd pin 8, 0DC.   |

### Agency Approvals

|                          |                           |                       |                   |
|--------------------------|---------------------------|-----------------------|-------------------|
| BABT                     | Certificate No. NC/011652 | Japan (via CB Cert.)  | Certif. No. 15362 |
| UL1950                   | File E189690              | Austel (via CB Cert.) | Certif. No. 15362 |
| CSA 950 (via UL/CUL)     | File E189690              | Sweden (via CB Cert.) | Certif. No. 15362 |
| IEC 60950 (via CB Cert.) | Certificate No. 15362     | Norway (via CB Cert.) | Certif. No. 15362 |

Patent Pending

**BABT**

The information contained in this drawing is the sole property of CoEv, Inc. Any reproduction or use without the written permission of CoEv, Inc. is prohibited.

TEL 888-978-2638 - FAX 605-886-8995 - Specifications subject to change without notice. For latest revision visit [www.tycopowercomponents.com](http://www.tycopowercomponents.com)