

**ADSL LINE TRANSFORMER**  
**P/N: AD-2031 DATA SHEET**



**Bothhand USA. e-mail: sales@bothhandusa.com http://www.bothhand.com**

**Feature**



- For use with ADI AD20MSP910/918 ADSL Chipset.
- Excellent Longitudinal Balance performance.
- Operating Temperature.: -10°C to +60°C
- Storage Temperature.: -25 to +75

**Electrical Specifications @ 25°C**

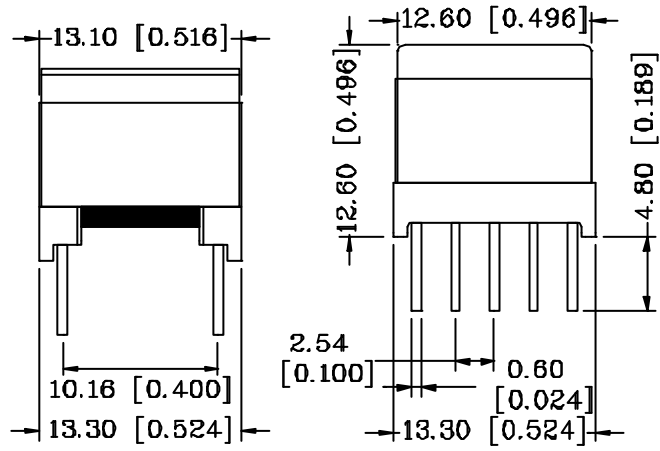
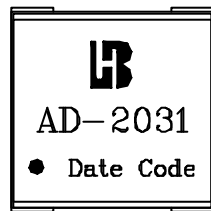
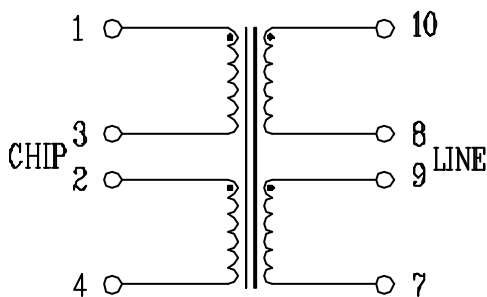
| Part Number | Mounting | Turn Ratio (±2%)<br>(1-4):(10-7) | OCL (mH ±10%)<br>@ 10KHz/0.1V |                   | Leakage Inductance (uH Max)<br>@ 100 KHz/0.1V | Longitudinal Balance (dB Min)<br>(from 25KHz-1.1MHz) |
|-------------|----------|----------------------------------|-------------------------------|-------------------|---|--|
|             |          |                                  | (1-4),(2+3)short              | (10-7),(8+9)short |   |  |
| AD-2031     | THT      | 1:1                              | 5.0                           |                   | (1-4),(2+3, 8+9, 10+7)short<br>18.0           | -40  |

**Additional Specifications**

| Part Number | THD (dB Max)<br>(Linearity-Typical) | DC Resistance (Max) |                   | Isolation Voltage (Vrms) | Insertion Loss (dB Max)<br>@ 100 KHz |
|-------------|-------------------------------------|---------------------|-------------------|--------------------------|--------------------------------------|
|             |                                     | (1-4),(2+3)short    | (10-7),(8+9)short |                          |                                      |
| AD-2031     | -80 @ 30KHz 4Vpp                    | 3.2                 |                   | 1875                     | -0.5                                 |

**Schematic**

**Mechanical**



Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]  
 0.xx±0.05[0.002]