



ADSL LINE TRANSFORMER

P/N: AD-2955 DATA SHEET

Feature



- Recommended by Analog Devices for use with their AD20MSP930 ADSL Chipset.
- Excellent THD performance in a small footprint.
- Designed to meet UL1950 & EN60950 supplementary insulation requirements for working to 250 Vrms.
- Operating Temperature: -10°C to +60°C.
- Storage Temperature: -25°C to +75°C.

Electrical Specifications @ 25°C

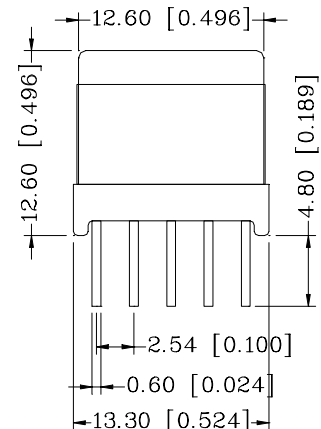
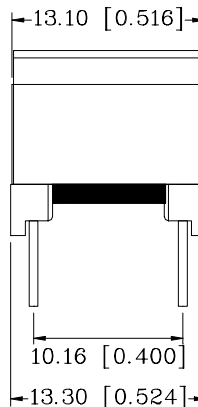
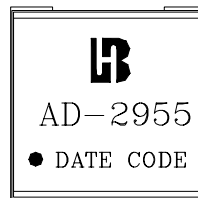
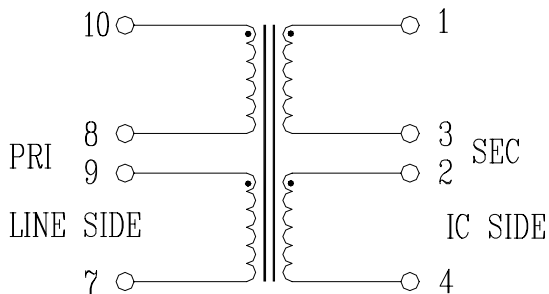
| Part Number | Inductance (uH) @±10%,100mAC | Leakage Inductance (uH Max) @1MHz,1.0VAC, Ls(1-4), (2+3,7+8+9+10)short | Turn Ratio(±1%) (1-4):(10-7) (2+3,8+9) | Dielectric 1S,500uA Max | Inter winding Capacitance (pF Max) (10-7)(10-1) |
|-------------|---------------------------------|---|---|----------------------------|--|
| AD-2955 | 400 | 10.0 | 1.4:1 | 1875V _{AC} | 45 |

Additional Specifications

| Part Number | THD(dB) (Linearity-Typical) | DCR (Ω Max) (±10%) | | Insertion Loss (dB Max) | Longitudinal Balance (ITU) (dB Min) |
|-------------|--------------------------------|-----------------------|---------------|----------------------------|-------------------------------------|
| | -80 @ 100KHz 11.31Vp-p | (10-8)& (9-7) | (1-3) & (2-4) | 300KHz | 10KHz -1.1 MHz |
| AD-2955 | -79 @ 10KHz 7.07Vp-p | 0.465 | 0.671 | -0.5 | -40 |

Schematic

Mechanical



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