

**P/N: AD-3114S DATA SHEET****Feature**

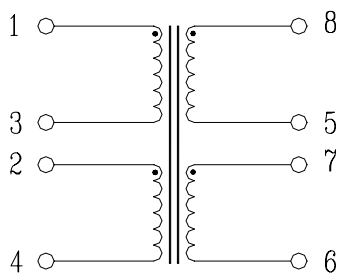
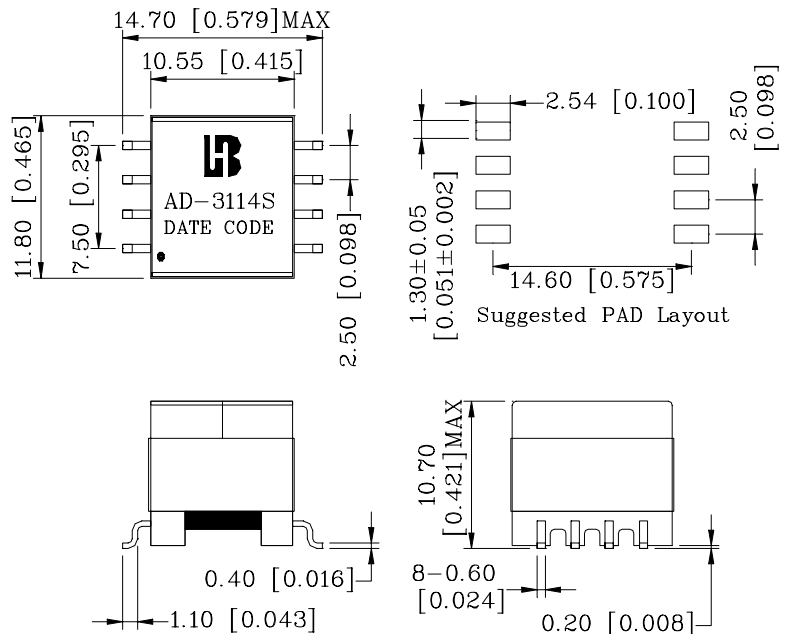
- For use with ADSL Application.
- Operating Temperature: -10°C to $+60^{\circ}\text{C}$.
- Storage Temperature: -25°C to $+75^{\circ}\text{C}$.

Electrical Specifications @ 25°C

| Part Number | Mounting | Turn Ratio ($\pm 1\%$) | OCL($\mu\text{H} \pm 6\%$) @10KHz, 100mV _{AC} | Insertion Loss (dB Max) | Leakage Inductance (μH Max) @100KHz, 100mV _{AC} | Longitudinal Balance (dB Min) |
|-------------|----------|-----------------------------|---|----------------------------|--|----------------------------------|
| | | (8-6):(1-4) | (1-4),(2+3) short | | | 30KHz~1.1MHz |
| AD-3114S | SMT | 0.95 : 1 | 750 | 0.80 | 8 | -35 |

Additional Specifications

| Part Number | DC Resistance (Ω – Max, $\pm 10\%$) | | | | THD (dB Max) @100KHz | Inter winding Capacitance (pF Max) | Isolation Voltage (Vrms) |
|-------------|---|------|------|-----|-------------------------|--|-----------------------------|
| | 8-5 | 7-6 | 2-4 | 1-3 | | | |
| AD-3114S | 0.80 | 0.61 | 0.55 | | -85 | 115 | 1875 |

Schematic**Mechanical**

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