

**P/N: AD-3452SA DATA SHEET****Feature**

- Excellent Longitudinal Balance performance.
- Operating temperature range: 0°C to +60°C.
- Storage temperature range: -25°C to +75°C.

**Electrical Specifications @ 25°C**

| Part Number | Turn Ratio (±1%)                     |                                      | OCL (uH±5%)<br>@10KHz/0.1V | Leakage Inductance(uH Max)<br>@100 KHz/0.1V     | Longitudinal Balance (dB Min)<br>(35KHz to 650KHz)<br>(16-9),(11+14)<br>short |
|-------------|--------------------------------------|--------------------------------------|----------------------------|---|---|
|             | (16-9):(1-4)<br>(11+14,3+2)<br>short | (16-9):(5-8)<br>(11+14,7+6)<br>short | (16-9),(11+14)<br>short    | (16-9),<br>(1+4,2+3,5+8,7+6,4+5,11+14)<br>short |   |
| AD-3452SA   | 4:1                                  | 2:1                                  | 700                        | 15  | -55   |

**Additional Specifications**

| Part Number | DC Resistance(Ω Max)                             |                         |                          | HI-POT<br>(Vrms Min) |
|-------------|--|-------------------------|--------------------------|----------------------|
|             | Inter winding Capacitance(pF Max)( @100KHz,0.1V) |                         |                          |                      |
|             | line   | chip-Tx                 | chip-Rx                  |                      |
| AD-3452SA   | (16-9),(11+14)short<br>1.0                       | (1-4),(3+2)short<br>0.3 | (5-8),(7+6) short<br>0.6 | 1875                 |

**Schematic****Mechanical**