



ADSL LINE TRANSFORMER

**P/N: AD-3442S DATA SHEET**

**Feature**



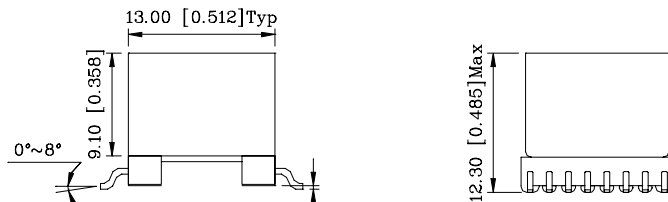
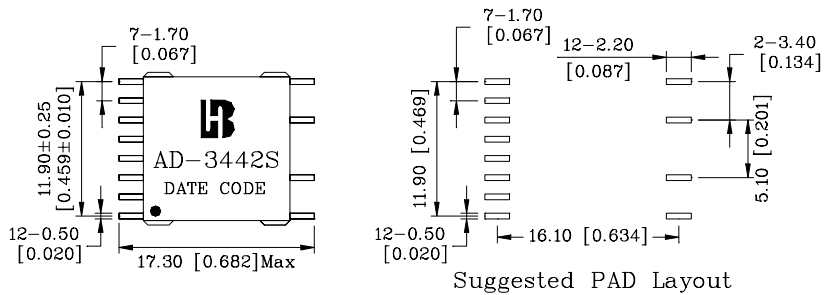
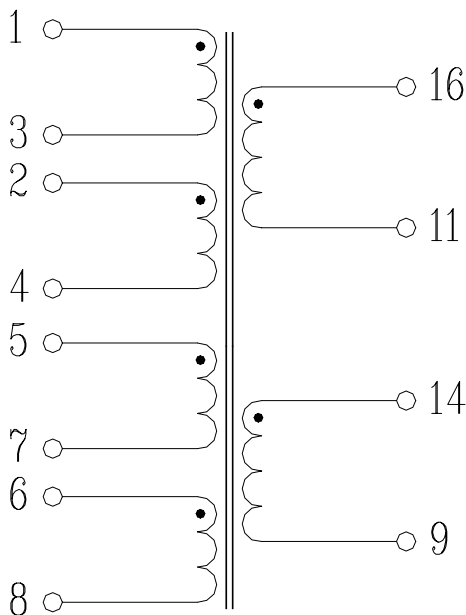
- Excellent Longitudinal Balance performance.
- Operating temperature range: 0°C to +60°C.
- Storage temperature range: -25°C to +75°C.

Electrical Specifications @ 25°C						
Part Number	Turn Ratio (±1%)		OCL (uH±6%) @10KHz/0.1V	Leakage Inductance(uH typ) @100 KHz/0.1V		Longitudinal Balance (dB Min) (35KHz to 650KHz) (9-16),(11+14) short
	TX	RX		(9-16), (1+4,2+3,11+14) short	(9-16), (5+8,6+7,11+14) short	
	(1-4):(16-9) (2+3,11+14) short	(5-8):(16-9) (6+7,11+14) short	(9-16),(11+14) short	(9-16), (5+8,6+7,11+14) short		
AD-3442S	1:4	1:2	700	30	28	-55

Additional Specifications									
Part Number	DC Resistance (Ω Max)			Inter winding Capacitance(pF Max) (@100KHz,0.1V)		Impedance (Ω-Nom)			HI-POT (Vrms Min)
	line	chip-Tx	chip-Rx	(1-16),(2+3,11+14) short	(9-8),(6+7,11+14) short	line	Chip		
	(9-16),(11+14) short	(1-4),(2+3) short	(5-8),(6+7) short				Tx	Rx	
AD-3442S	3.5	0.98	1.74	50		100	5.6	300	1875

**Schematic**

**Mechanical**



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