

**P/N: AD-1102S DATA SHEET****Feature**

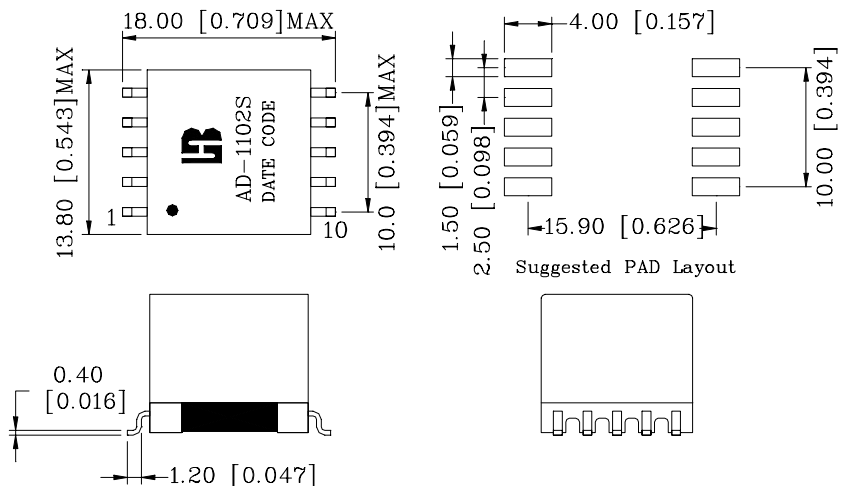
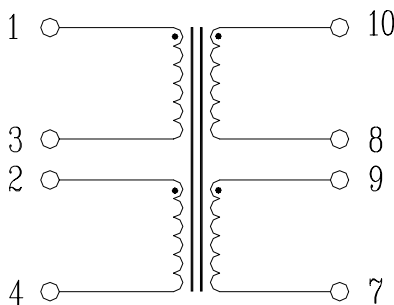
- Designed to meet UL 1950 and IEC 950 safety requirements.
- Meets IEC 695,2-2 flammability requirements.
- PWB Process Capability: standard printed wiring board assembly techniques, total-immersion cleaning.
- Reliability testing: shock, vibration, temperature cycling, temperature – humidity – bias.
- Minimum inter winding breakdown voltage 1500 Vrms.
- Operating Temperature: -10°C to +60°C.
- Storage Temperature: -25°C to +75°C.

Electrical Specifications @ 25°C

Part Number	Turn Ratio ($\pm 2\%$)	DCR (Ω Max)		Longitudinal Balance ³ (dB Min)
	(1-3) : (2-4) : (10-8) : (9-7)	(1-3)=(2-4)	(10-8)=(9-7)	
AD-1102S	1 : 1 : 2 : 2	6	7	-60

Additional Specifications

Part Number	Insertion Loss ² (dB Max)	Return Loss ¹ (dB Max)	Harmonic Distortion ⁴ (dB Min)	Inductance ⁵ (mH $\pm 10\%$) @(1-4) / shorted (2-3)
AD-1102S	-4	-10	-85	3.125

Schematic**Mechanical**

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