

ADSL LINE TRANSFORMER
P/N: AD-5070S DATA SHEET



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Feature



- For use with Alcatel Microelectronics' Chipset.
- Good Total Harmonic Distortion Characteristics.
- Designed to reflect 100Ω on the PRI with 25Ω load on SEC.
- Small footprint.
- Operating Temperature.: -10°C to +60°C.
- Storage Temperature.: -25°C to +75°C.

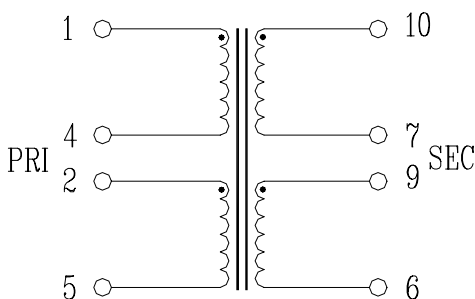
Electrical Specifications @ 25°C

Part Number	Mounting	Turn Ratio (±1%) (1-5):(10-6)	OCL (uH ±5%) @ 10KHz/0.1V	Leakage Inductance (uH Max) @ 300 KHz/0.1V	Longitudinal Balance (dB Min)
			(1-5),(2+4)short	(1-5),(2+4,9+7,10+6)short	(from 20KHz to 1.1MHz)
AD-5070S	SMT	2:1	410	10.0	-50

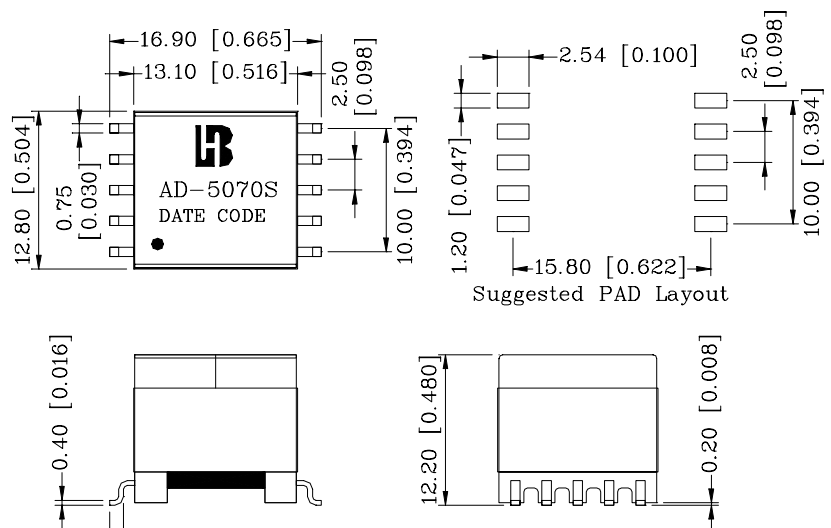
Additional Specifications

Part Number	THD (dB Max) (Linearity-Typical)	DC Resistance (Ω Max)				Isolation Voltage (Vrms)	Insertion Loss(dB Max) @100 KHz & 1.1MHz
		1-4	2-5	10-7	9-6		
AD-5070S	-78 @ 30KHz	0.75		0.45		1875	-1.0

Schematic



Mechanical



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