

ADSL TRANSFORMERS ADSL SERIES

FEATURES:

- High Frequency Design
- Excellent THD
- High Reliability

OPTIONS:

- Bulk Packaging is Standard
- Custom Design Available

COMMON APPLICATIONS:

- ADSL Router
- Analog Devices, Alcatel, Globespan.
- Central Office/ Customer Premise

STANDARD SPECIFICATIONS

Part Number	Application	Turns Ratio (±2%) Line to Chip	OCL (mH ± 10%) Line Side	L _L (µH Max)	Longitudinal Balance (dB Min).	DCR (Ω Max.) Line Side	THD (dB Min)	SCH	Applicable IC
ADSL-101	CPE	1:1	5.0 (1)	15 (2)	40 (25KHz-1.1MHz)	3.0	80 @ 30KHz	1	AD20msP910/918
ADSL-102	CPE	1:1	0.48 (1)	10 (2)	40 (30KHz-1.1MHz)	1.0	72 @ 10KHz	1	MTK-20140
ADSL-102A	CO	2:1	0.41 (1)	6.5(2)	40 (30KHz-1.1MHz)	0.6	72 @ 20KHz	1	MTK-20140
ADSL-103	CPE	1:1	0.43 (3)	10 (4)	40 (25KHz-1.1MHz)	0.45	80@100KHz	2	G7000
ADSL-105	CPE	1:1	0.407(1)	9 (2)	40 (25KHz-1.1MHz)	0.66	80@100KHz	1	EL-1501

Inertion Loss: 0.5dB max

Inductance measured @ 10KHz 0.1 VRMS

Hipot: 1500 VRMS

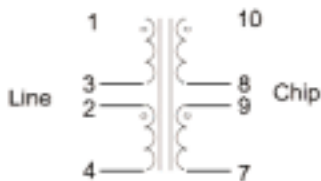
Remark: Add "S" after Part No. for SMT package

Example: ADSL-101S for SMT Package: Package B

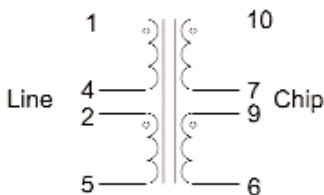
Notes:

1. Measure inductance at pin1-4 with pin 2-3 shorted.
2. Measure leakage inductance at pin1-4 with 2-3 shorted, and 7-8-9-10 shorted.
3. Measure inductance at pin 1-5 with pin 2-4 shorted.
4. Measure leakage inductance at pin 1-5 with 2-4 shorted, and pin 6-9-7-10 shorted.

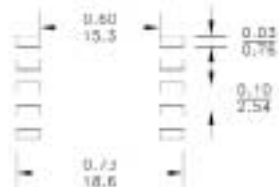
Schematic 1



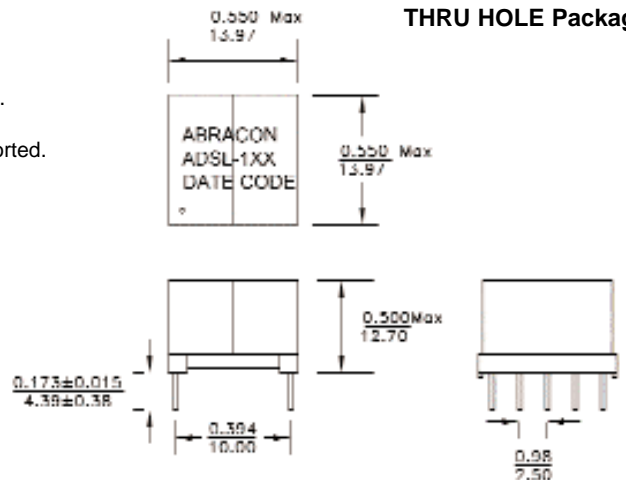
Schematic 2



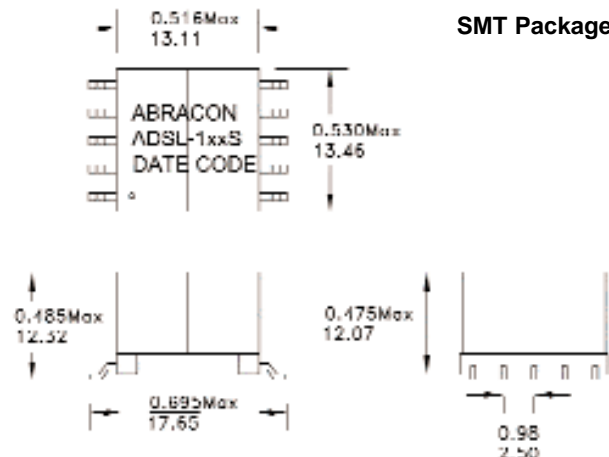
Recommended Pad Layout



THRU HOLE Package



SMT Package



Dimensions: Inches/ mm

TECHNICAL INFORMATION:

- Soldering methods: Wave, Reflow
- Operating Temperature: 0°C to +70°C
- Storage Temperature: -55°C to +125°C

Note: All specifications subject to change without notice.