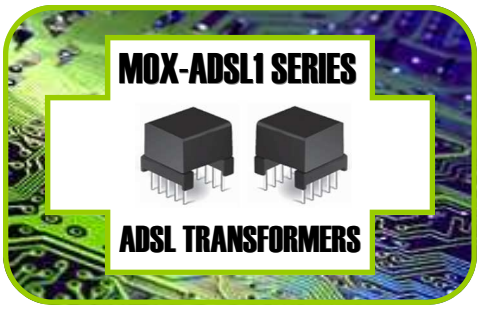
MOX-ADSL1 Series

Thru-Hole ADSL Line Transformer

MoxiE® INDUCTOR CORPORATION

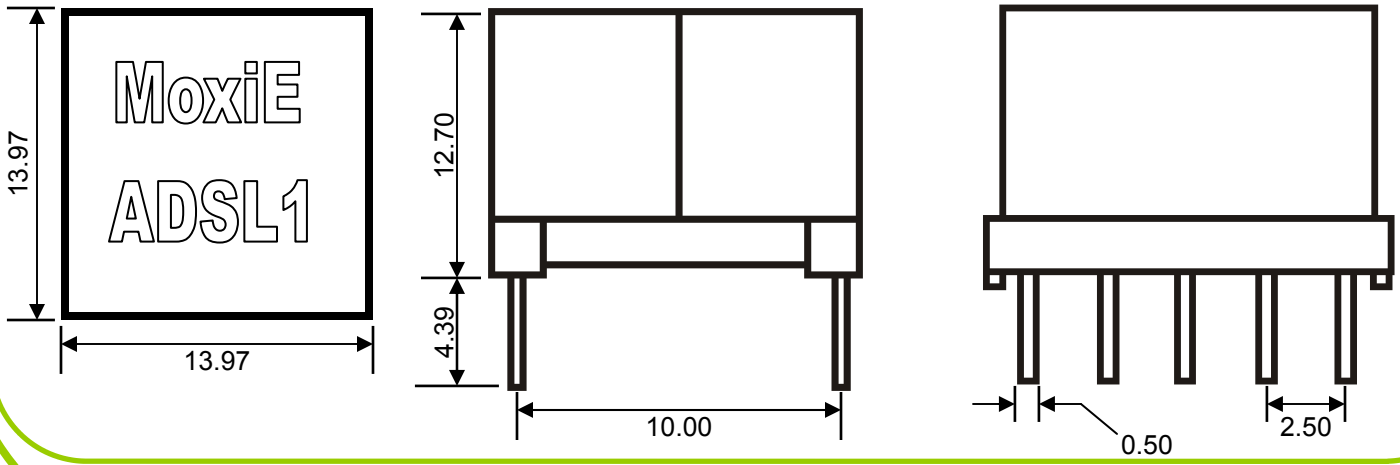


Features:

- Engineered to match all leading chipsets.
- Low cost.
- High reliability.
- Excellent THD.
- High frequency design.
- RoHS compliant.
- Available on tape & reel for auto surface mounting.
- MoxiE custom designs available.

NOTES

MECHANICAL DIMENSIONS



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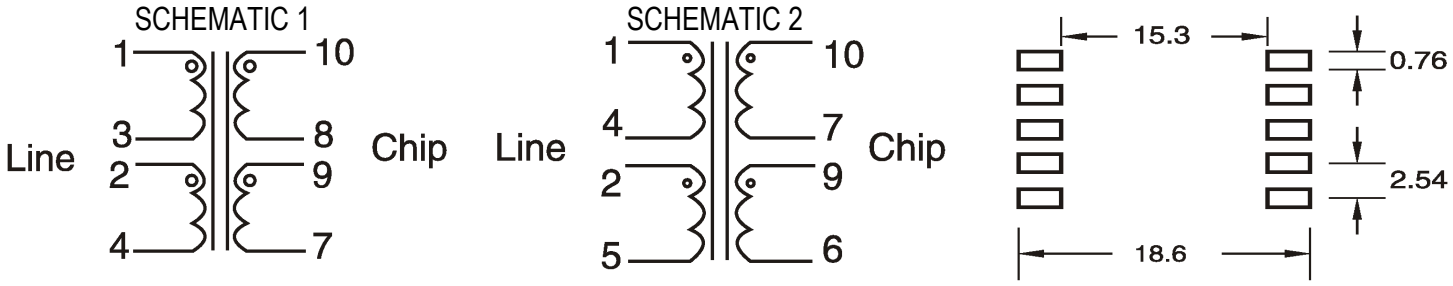
LANDING PATTERN & SCHEMATICS



MOX-ADSL1 ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Application	Turns Ratio ± 2% Line to Chip	OCL (mH ± 10%) Line Side	L (µh Max.)	Longitudinal Balance (dB Min.)	DCR (Ω Max.) Line Side	THD (dB Min.)	Schematic	Applicable IC
MOX-ADSL1A	CPE	1:1	5.000 (1)	15.00 (2)	40(25KHz~1.1 MHz)	3.00	80 @ 30 KHz	1	AD20msP910/918
MOX-ADSL1B	CPE	1:1	0.480 (1)	10.00 (2)	40(25KHz~1.1 MHz)	1.00	72 @ 10KHz	1	MTK-20/40
MOX-ADSL1C	CO	1:1	0.410 (1)	6.50 (2)	40(25KHz~1.1 MHz)	0.60	72 @ 10 KHz	2	MTK-20/40
MOX-ADSL1D	CPE	2:1	0.430 (3)	10.00 (4)	40(25KHz~1.1 MHz)	0.45	80 @ 100 KHz	2	G7000
MOX-ADSL1E	CPE	1:1	0.407 (1)	9.00 (2)	40(25KHz~1.1 MHz)	0.66	80 @ 100 KHz	1	EL-1501

- Insertion Loss: 0.5 dB maximum inductance measured @ 10KHz 0.1 VRMS Hipot: 1500 VRMS.
- (1) Measured inductance at pin 1~4 with pin 2~3 shorted.
- (2) Measured leakage inductance at pin 1~4 with 2~3 shorted & 7~8~9~10 shorted.
- (3) Measured inductance at pin 1~5 with pin 2~4 shorted.
- (4) Measured leakage inductance at pin 1~5 with 2~4 shorted & pin 6~9~7~10 shorted.

MOX-ADSL1 ENGINEERING NOTES

- RoHS Compliant.
- Soldering Methods: Wave, Reflow.
- Operating Temperature: 0°C to +70°C.
- Storage Temperature: -55°C to 125°C.
- MoxiE Inductor Corporation specifications are subject to change without notice.