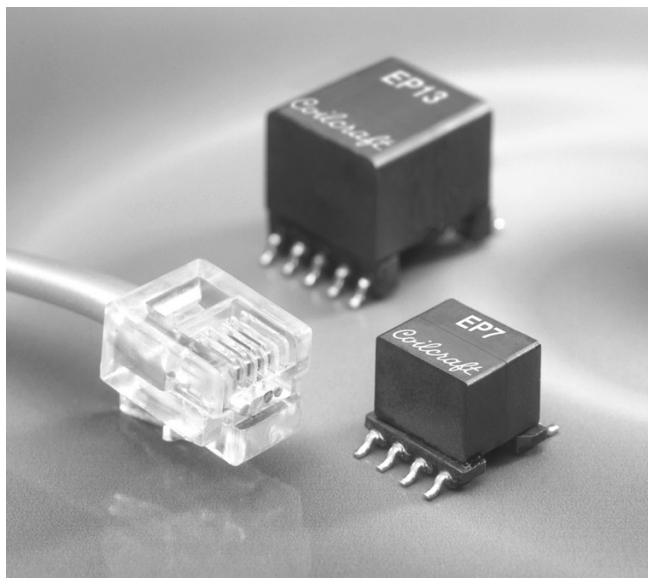


Ultra-Small CO Driver Transformers



This product is not RoHS-compliant. Contact Coilcraft for current status or possible alternatives.

To meet the demand for even higher density DSLAM configurations, Coilcraft has introduced these ultra-small Central Office magnetics.

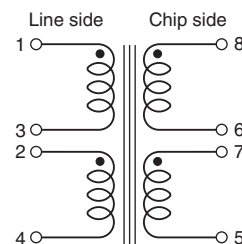
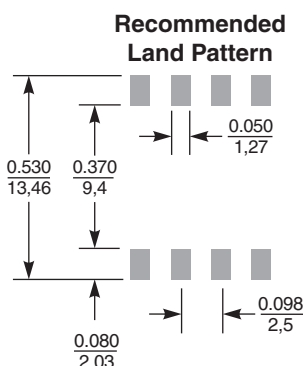
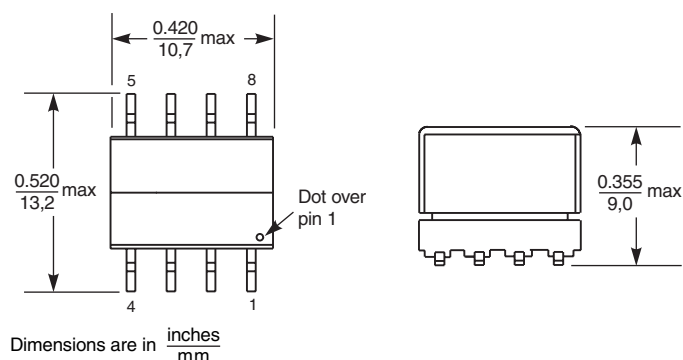
These line driver transformers come in an EP7 package. Compared to conventional EP13 designs, they feature:

- 58% less volume (under 0.078 in³)
- 42% smaller footprint (just 0.22 in²)
- 30% lower height (less than 0.36 in)

Part number	Style	Line side inductance (μH)	Leakage inductance max (μH)	DCR max (Ohms)		Dielectric strength (V)
				Chip side	Line side	
AS8886-B	SMD	1000 ±6%	6.0	0.44 (8-6), 0.44 (7-5)	0.87 (1-3, 2-4)	1875
AS9006-A	SMD	400 ±5%	5.0	0.23 (8-6), 0.27 (7-5)	0.80 (1-3, 2-4)	1875
AS9015-A	SMD	74 ±10%	6.0	0.58 (8-6), 0.75 (7-5)	0.94 (1-3, 2-4)	1875

Part number	Turns ratio line:chip	Capacitance max (pF)	Longitudinal balance (dB) min	THD typ (dB)	Designed to meet
AS8886-B	1.81 : 1	N/A	45 at 30 kHz – 1.1 MHz	-85 at 20 kHz	UL 1950
AS9006-A	1.80 : 1	40	60 at 100 kHz	-85 at 100 kHz	UL 1950
AS9015-A	1.41 : 1	35	45 at 20 kHz – 1.1 MHz	-92 at 20 kHz	UL 1950

1. All electrical specifications referenced to line side.
2. Operating temperature range -40° C to +85° C.
3. Electrical specifications at 25° C.



Packaging 350/13" reel; Plastic tape: 24 mm wide, 0.42 mm thick, 16 mm pocket spacing, 9.16 mm pocket depth



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