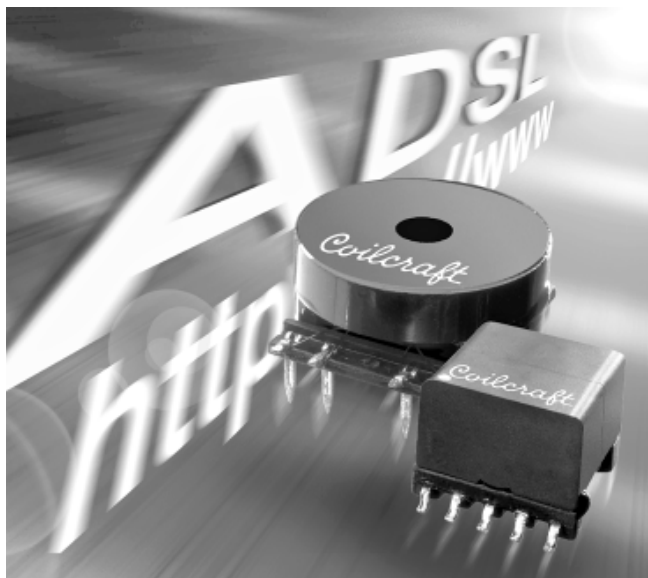


ADSL Transformers

For Globespan
chip sets



These transformers have been designed to provide optimum performance with a variety of GlobeSpan ADSL chip sets.

They feature very low leakage inductance, stable primary inductance from -40° C to +85° C and longitudinal balance optimized for the best overall performance at the ADSL transmission speed.

For free evaluation samples or to discuss custom designs, contact Coilcraft or visit **www.coilcraft.com**.

SPECIFICATIONS

Part number	Style	Chip set	Line side inductance (mH)	Leakage inductance max (μH)	DCR max (Ω)	
					Chip side	Line side
AS8952-A	SMT	Titanium Fourte G7266	.474 ±10% ¹	5	.48 (1-4, 2-5)	.88 (10-7, 9-6)
AS8954-A	SMT	Titanium Fourte G7266RT	.440 ±5% ¹	5	.36 (1-4, 2-5)	.94 (10-7, 9-6)
AS8330-A	SMT	Titanium G7000	.430 ±10% ²	10	.29 (10-7, 9-6)	.32 (1-4, 2-5)
AS8424-A	SMT	Globespan EL-1501	.407 ±5% ²	10	.363 (10-7, 9-6)	.429 (1-4, 2-5)
AS8343-A	Leaded	GlobeSpan	.940 ±10% ²	10	1.0 (1-3, 2-4)	.750 (9-7, 10-8)
AS8344-A	Leaded	GlobeSpan	.410 ±10% ²	10	.340 (1-3, 2-4)	.340 (9-7, 10-8)
AS8345-A	Leaded	GlobeSpan	.940 ±10% ²	10	1.0 (1-3, 2-4)	1.0 (9-7, 10-8)
AS8346-A	Leaded	GlobeSpan	.410 ±10% ²	10	.340 (1-3, 2-4)	.80 (9-7, 10-8)

Part number	Dielectric strength (V)	Turns ratio line:chip	Capacitance max (pF)	Longitudinal balance min (dB)	THD max (dB)	Designed to meet
AS8952-A	1875	1.41:1	40	55 (20 kHz - 1.1 MHz)	-90 @ 20 kHz	UL 1950
AS8954-A	1875	2:1	40	55 (20 kHz - 1.1 MHz)	-90 @ 20 kHz	UL 1950
AS8330-A	1875	1:1	40	40 (20 kHz - 1.1 MHz)	-80 @ 20 kHz	UL 1459, 1950
AS8424-A	1875	1:1	25	55 (20 kHz - 1.1 MHz)	-85 @ 20 kHz	UL 1459, 1950
AS8343-A	1500	1:1:1.4:1.4	90	50 @ 40 kHz	-80 @ 20 kHz	
AS8344-A	1500	1:1:1:1	90	50 @ 40 kHz	-80 @ 20 kHz	
AS8345-A	3000	1:1:1.4:1.4	90	55 @ 40 kHz	-80 @ 20 kHz	UL 1950
AS8346-A	3000	1:1:1:1	90	55 @ 40 kHz	-65 @ 20 kHz	UL 1950

1. 10-6 with 7-9 shorted

2. 1-4 with 2-3 shorted

3. All electrical specifications referenced to line side.

4. Operating temperature range -40° C to +85° C.

5. Electrical specifications at 25° C.

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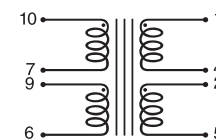
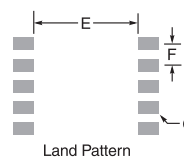
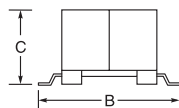
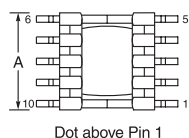
Specifications subject to change without notice. Document 216-1 Revised 1/10/01

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NEW!

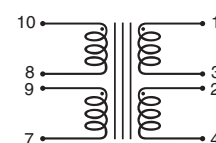
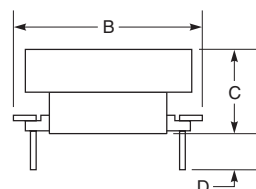
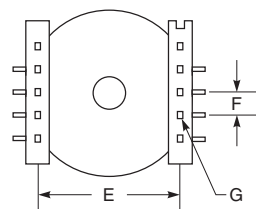
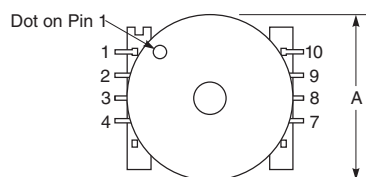
ADSL Transformers for Globespan Chip Sets

AS8954-A, AS8952-A, AS8330-A, AS8424-A



A max	B max	C max	E	F typ	G typ
.530	.705	.500	.629	.098	.053 x .034
13,46	17,91	12,70	15,98	2,49	1,35 x 0,86

AS8343-A, AS8344-A, AS8345-A, AS8346-A



A max	B max	C max	D min	E	F typ	G typ
.950	1.05	.46	.12	.800	.150	.045 x .025
24,13	26,7	11,7	3,0	20,32	3,81	1,14 x 0,64

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Specifications subject to change without notice. Document 216-2 Revised 1/10/01

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