

NEW!

CCFL Transformers

The FL Series of transformers is designed for use in cold cathode fluorescent lamp (CCFL) power supplies.

With output power from 3.5 to 6.0 Watts, these transformers are ideal for LCD backlight applications. They are

available in four different gull wing or surface mount packages, including one in-board configuration for height restricted designs.

Part number	Schematic	Package	Turns ratio sec:pri	Output (Watts)	Inductance nom (μH)	Imax sec (A)	Vrms ¹		Vinst max ²		DCR max (Ohms)	
							pri	sec	pri	sec	pri	sec
FL2015-1	B	1	67:1	6.0	43	0.005	22	1600	25.0	2000	0.220	285
FL2015-2	A	1	67:1	6.0	43	0.005	23	1600	29.0	2000	0.220	285
FL2015-3	A	1	100:1	6.0	19	0.005	16	1600	20.0	2000	0.190	285
FL2015-4	A	1	50:1	6.0	44	0.007	32	1600	40.0	2000	0.220	165
FL2015-5	A	1	125:1	6.0	20	0.007	12	1600	16.0	2000	0.160	330
FL2015-6	B	1	67:1	6.0	48	0.011	23	1600	29.0	2000	0.160	176
FL2015-7	A	1	67:1	6.0	50	0.011	23	1600	29.0	2000	0.160	176
FL2015-8	A	1	86:1	6.0	31	0.011	18	1600	23.0	2000	0.132	176
FL2015-9	A	1	100:1	6.0	22	0.011	16	1600	20.0	2000	0.132	176
FL2015-10	A	1	93:1	4.5	40	0.011	17	1600	21.0	2000	0.215	660
FL3209-1	C	2	100:1	3.5	48	0.005	16	1600	20.0	2000	0.350	400
FL3209-2	D	2	93:1	3.5	40	0.005	17	1600	21.0	2000	0.350	550
FL3209-3	C	3	100:1	3.5	48	0.005	16	1600	20.0	2000	0.350	400
FL3209-4	D	3	93:1	3.5	40	0.005	17	1600	21.0	2000	0.350	550
FL2810-1	E	4	100:1	4.5	35	0.007	15	1500	16.5	1650	0.220	300

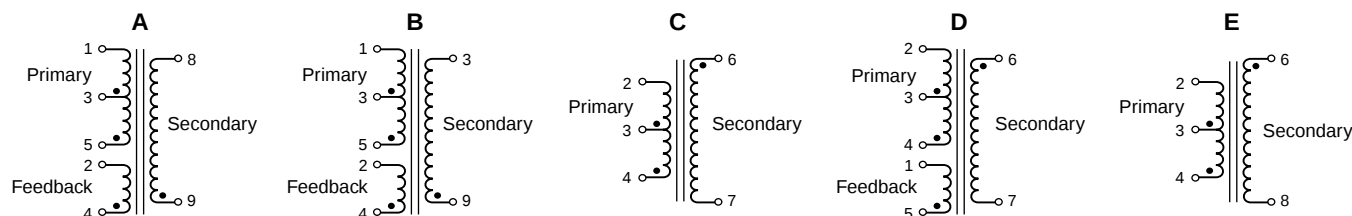
1. Vrms = continuous voltage.

2. Vinst = instantaneous voltage at startup.

3. Operating ambient temperature range 0°C to 70°C.

4. Electrical specifications at 25°C.

Schematics



Coilcraft®

Specifications subject to change without notice. Document 293-1 Revised 01/10/03

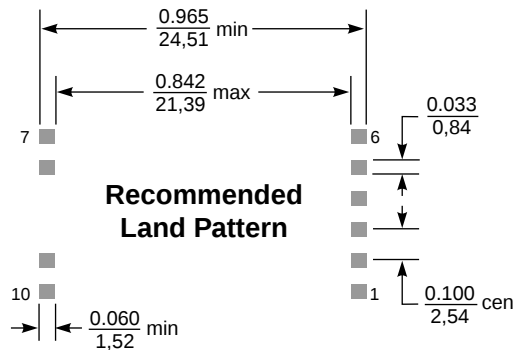
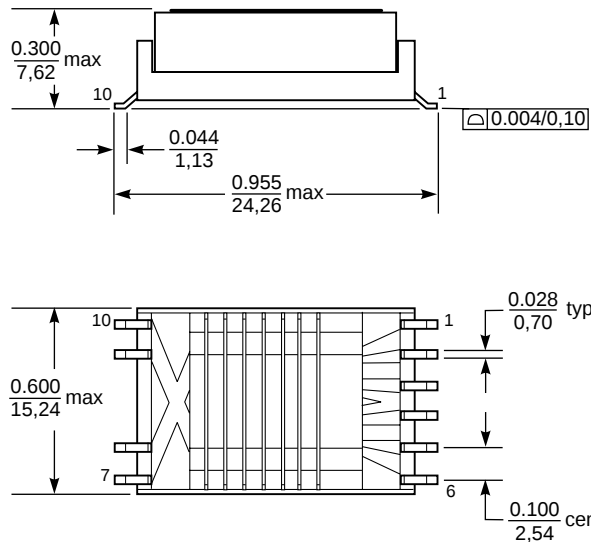
1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469

E-mail info@coilcraft.com Web <http://www.coilcraft.com>

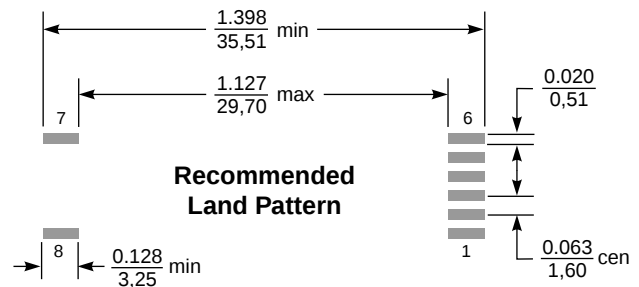
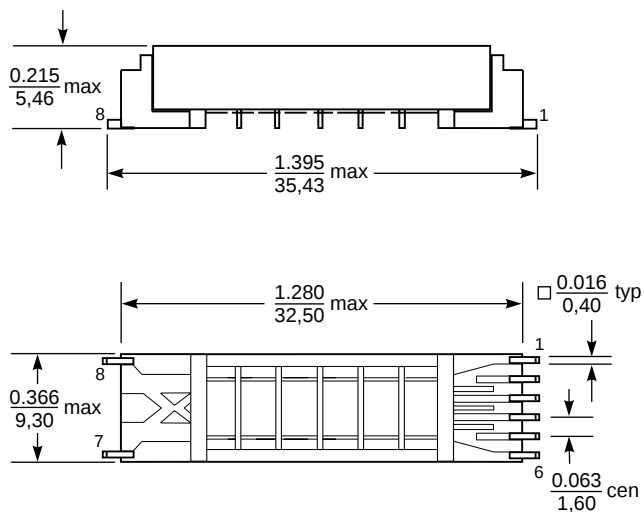
NEW!

CCFL Transformers

Package 1



Package 2

**Coilcraft®**

Specifications subject to change without notice. Document 293-2 Revised 01/10/03

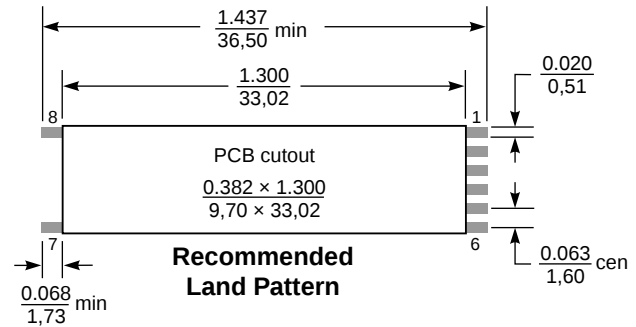
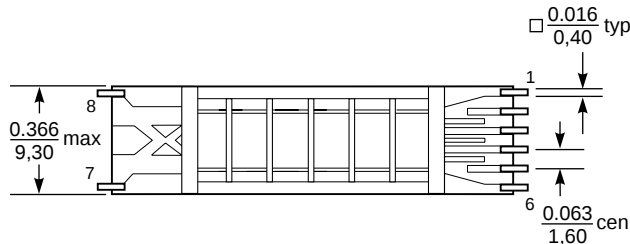
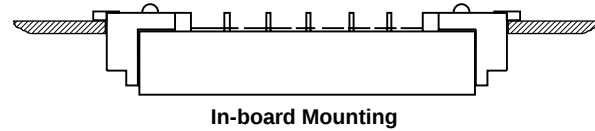
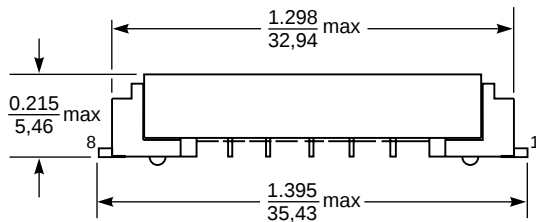
1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469

E-mail info@coilcraft.com Web <http://www.coilcraft.com>

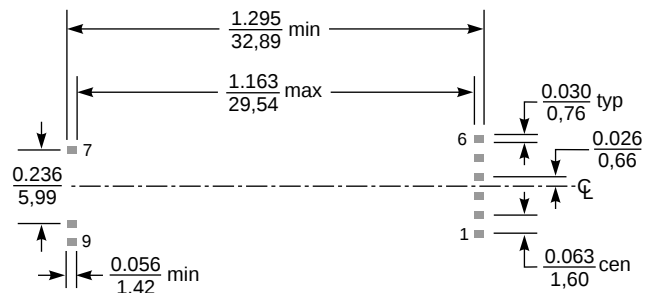
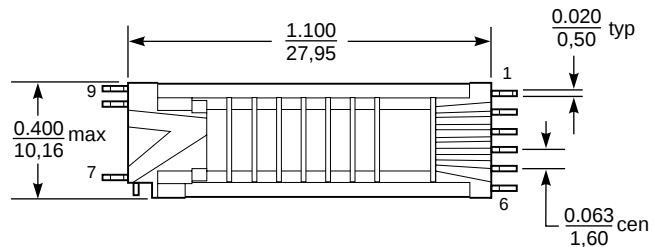
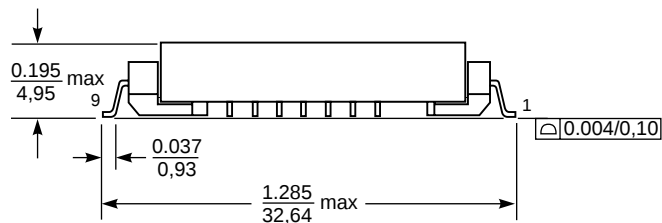
NEW!

CCFL Transformers

Package 3 — In-board mounting



Package 4



Recommended Land Pattern

Coilcraft®

Specifications subject to change without notice. Document 293-3 Revised 01/10/03

1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469

E-mail info@coilcraft.com Web http://www.coilcraft.com