COILTRONICS
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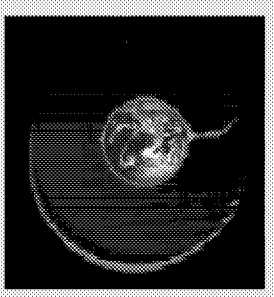
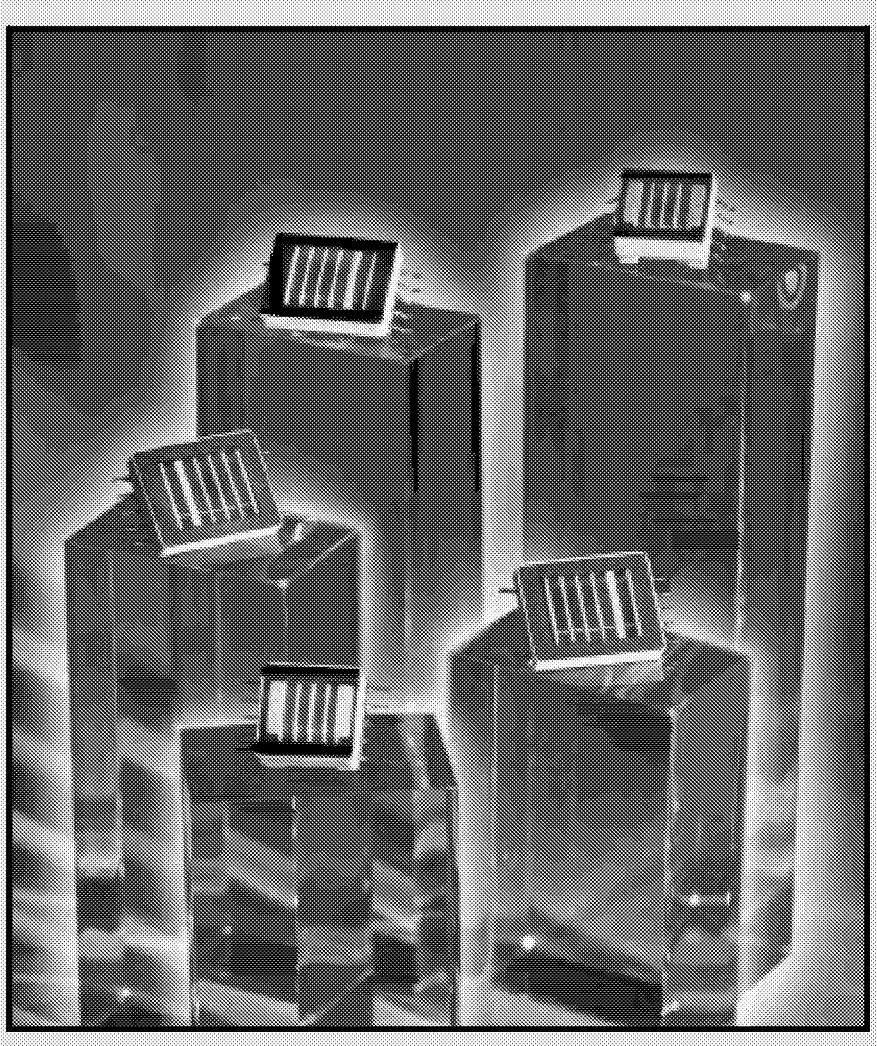




CCFL TRANSFORMERS

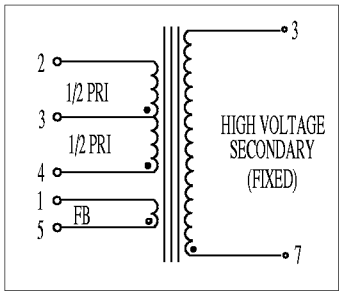
2.5 WATT VERSIONS
ELECTRICAL AND MECHANICAL CHARACTERISTICS

COILTRONICS INCORPORATED

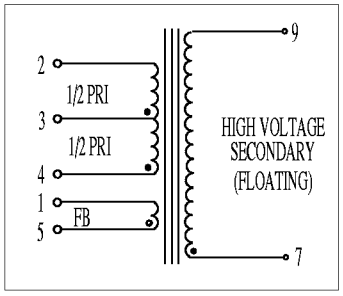
Part Number	Schematic Diagram	Pout Watts	Lp µH[1]	DCRp Ohms Max	DCRs Ohms Max	TR Ns/Np	Vpri Volts Max[2]	Vsec Volts Max[2]	Is Max A rms	Vpri Abnormal[3]	Vsec Abnormal[3]	Mechanical Dimensions	PCB Pad Layout
CTX110652	A	2.5	43	0.220	285	67	20	1340	.005	30	2000	A	A
CTX110655	B	2.5	43	0.220	285	67	20	1340	.005	30	2000	A	A
CTX110657	B	2.5	26	0.212	285	86	15	1340	.005	23	2000	A	A
CTX110659	B	2.5	19	0.190	285	100	13	1340	.005	23	2000	A	A
CTX210652	A	2.5	43	0.220	285	67	20	1340	.005	30	2000	B	B
CTX210655	B	2.5	43	0.220	285	67	20	1340	.005	30	2000	B	B
CTX210657	B	2.5	26	0.212	285	86	15	1340	.005	23	2000	B	B
CTX210659	B	2.5	19	0.190	285	100	13	1340	.005	23	2000	B	B

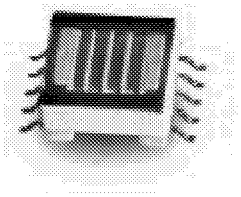
[1]Inductances are nominal values [2] Continuous RMS Voltage [3] Maximum Instantaneous RMS Voltage

Schematic A

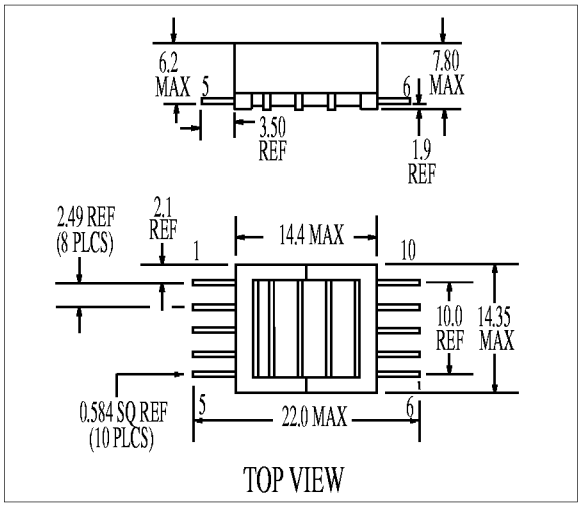


Schematic B

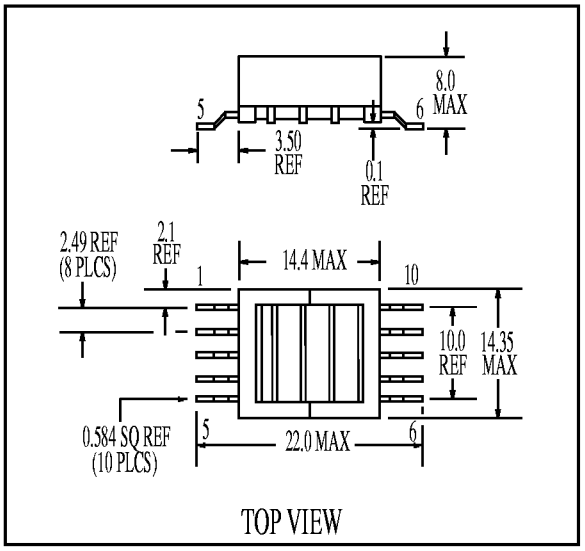




Mechanical A

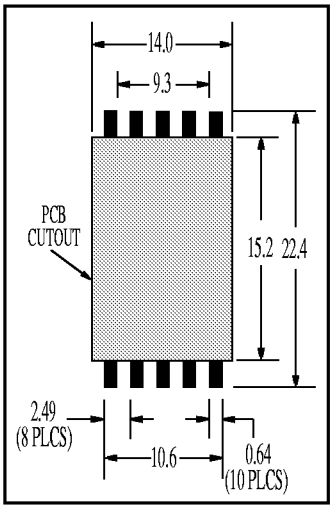


Mechanical B

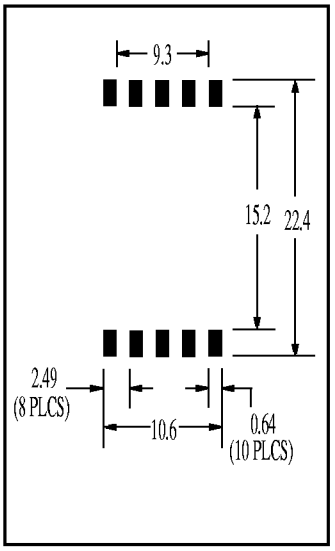


Dimensions are in millimeters

Pad Layout A



Pad Layout B



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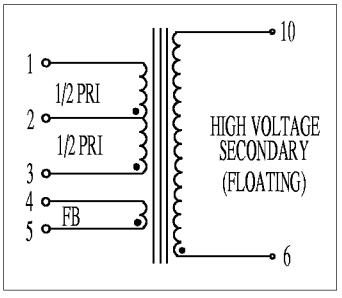
4 WATT VERSIONS
ELECTRICAL AND MECHANICAL CHARACTERISTICS

COILTRONICS INCORPORATED

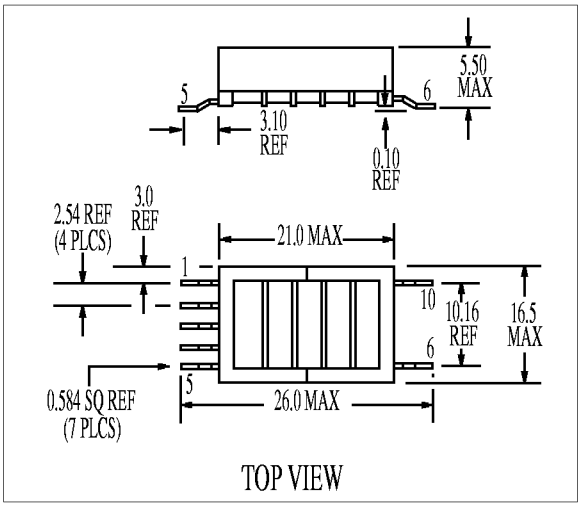
Part Number	Schematic Diagram	Pout Watts	Lp µH[1]	DCRp Ohms Max	DCRs Ohms Max	TR Ns/Np	Vpri Volts Max[2]	Vsec Volts Max[2]	Is Max A rms	Vpri Abnormal[3]	Vsec Abnormal[3]	Mechanical Dimensions	PCB Pad Layout
CTX210403	C	4	44	0.220	165	50	26	1340	.007	40	2000	C	C
CTX210407	C	4	27	0.160	220	86	15	1340	.007	23	2000	C	C
CTX210409	C	4	20	0.160	220	100	13	1340	.007	23	2000	C	C
CTX210411	C	4	20	0.160	330	125	10	1340	.007	16	2000	C	C
CTX310403	C	4	44	0.220	165	50	26	1340	.007	40	2000	D	D
CTX310407	C	4	27	0.160	220	86	15	1340	.007	23	2000	D	D
CTX310409	C	4	20	0.160	220	100	13	1340	.007	23	2000	D	D
CTX310411	C	4	20	0.160	330	125	10	1340	.007	16	2000	D	D

[1]Inductances are nominal values [2] Continuous RMS Voltage [3] Maximum Instantaneous RMS Voltage

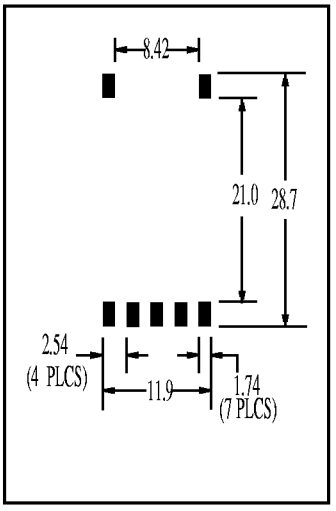
Schematic C



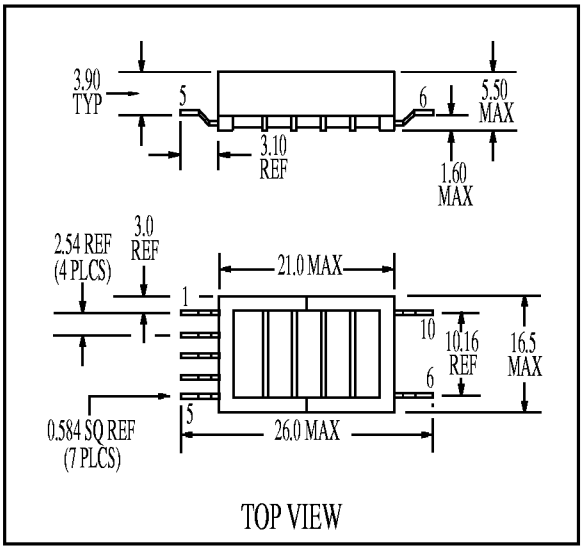
Mechanical C



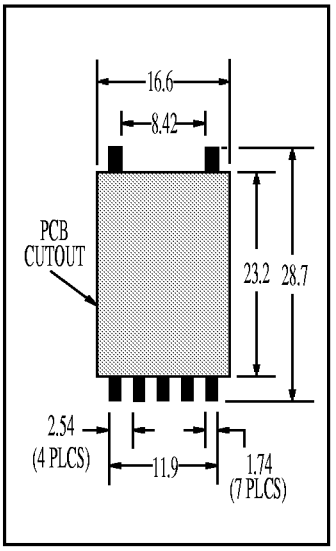
Pad Layout C

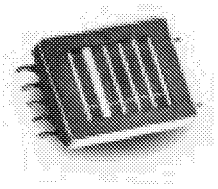


Mechanical D



Pad Layout D





Dimensions are in millimeters

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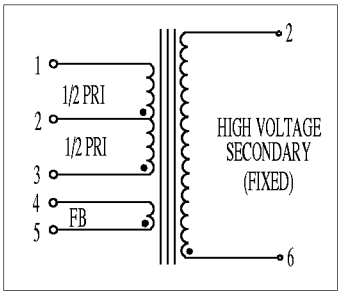
6 WATT VERSIONS
ELECTRICAL AND MECHANICAL CHARACTERISTICS

COILTRONICS INCORPORATED

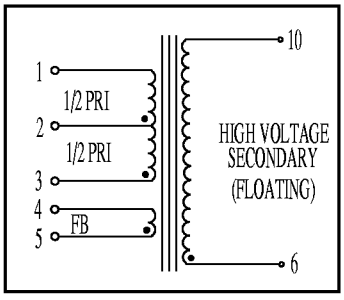
Part Number	Schematic Diagram	Pout Watts	Lp µH[1]	DCRp Ohms Max	DCRs Ohms Max	TR Ns/Np	Vpri Volts Max[2]	Vsec Volts Max[2]	Is Max A rms	Vpri Abnormal[3]	Vsec Abnormal[3]	Mechanical Dimensions	PCB Pad Layout
CTX110600	D	6	44	0.160	176	67	20	1340	.011	30	2000	E	E
CTX110603	C	6	44	0.160	132	50	26	1340	.011	40	2000	E	E
CTX110605	C	6	44	0.160	176	67	20	1340	.011	30	2000	E	E
CTX110607	C	6	27	0.132	176	86	15	1340	.011	23	2000	E	E
CTX110609	C	6	20	0.132	176	100	13	1340	.011	23	2000	E	E
CTX110611	C	6	20	0.132	291	125	11	1340	.011	16	2000	E	E
CTX210600	D	6	44	0.160	176	67	20	1340	.011	30	2000	F	C
CTX210603	C	6	44	0.160	132	50	26	1340	.011	40	2000	F	C
CTX210605	C	6	44	0.160	176	67	20	1340	.011	30	2000	F	C
CTX210607	C	6	27	0.132	176	86	15	1340	.011	23	2000	F	C
CTX210609	C	6	20	0.132	176	100	13	1340	.011	23	2000	F	C
CTX210611	C	6	20	0.132	291	125	11	1340	.011	16	2000	F	C

[1]Inductances are nominal values [2] Continuous RMS Voltage [3] Maximum Instantaneous RMS Voltage

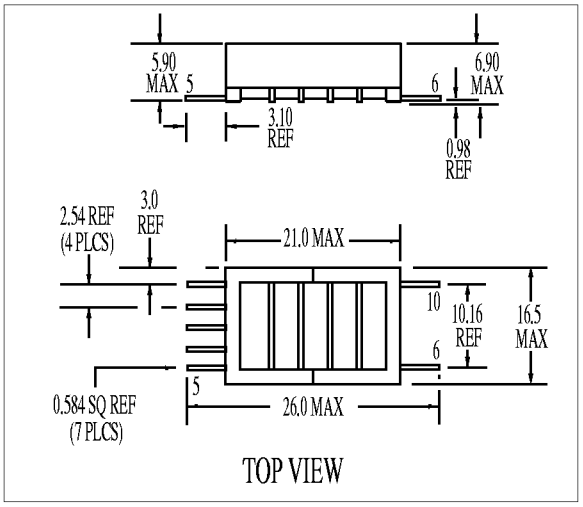
Schematic D



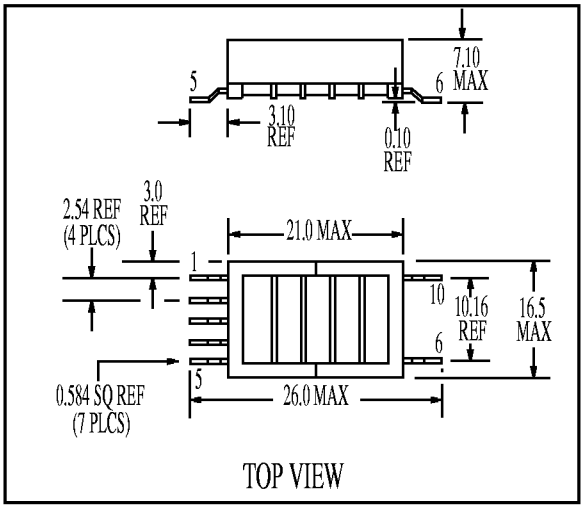
Schematic C



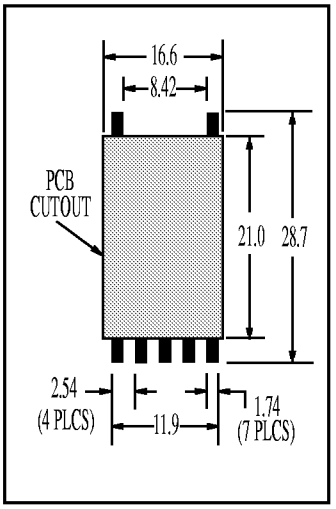
Mechanical E



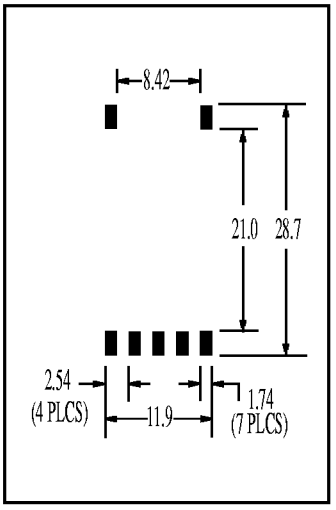
Mechanical F

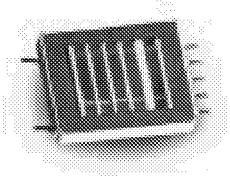


Pad Layout E



Pad Layout C





Dimensions are in millimeters

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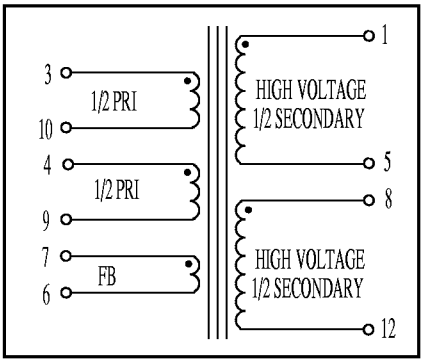
14 Watt Versions
ELECTRICAL AND MECHANICAL CHARACTERISTICS

COILTRONICS INCORPORATED

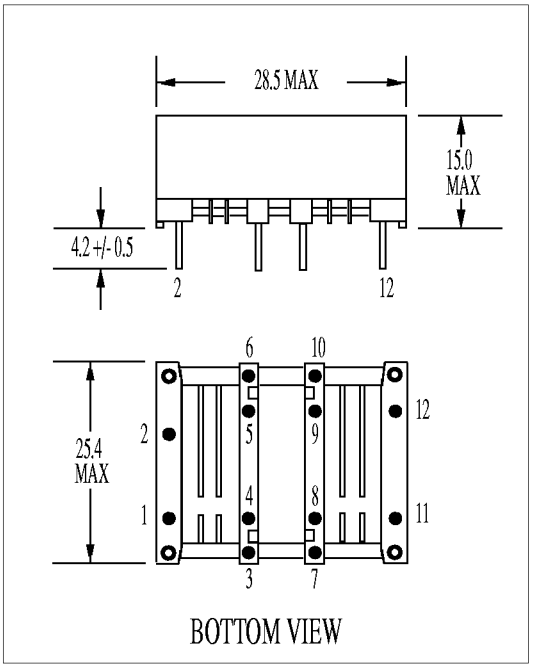
Part Number	Schematic Diagram	Pout Watts	Lp µH[1]	DCRp Ohms Max	DCRs Ohms Max	TR Ns/Np	Vpri Volts Max[2]	Vsec Volts Max[2]	Is Max A rms	Vpri Abnormal[3]	Vsec Abnormal[3]	Mechanical Dimensions	PCB Pad Layout
CTX410805	E	14	24	0.030	262	67	20	1340	.030	30	2000	G	F
CTX410807	E	14	16	0.024	272	86	15	1340	.030	23	2000	G	F
CTX410809	E	14	16	0.024	314	100	13	1340	.030	23	2000	G	F

[1]Inductances are nominal values [2] Continuous RMS Voltage [3] Maximum Instantaneous RMS Voltage

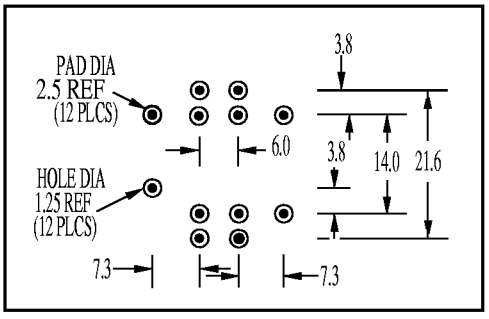
Schematic E



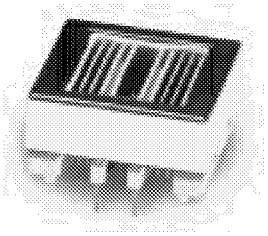
Mechanical G

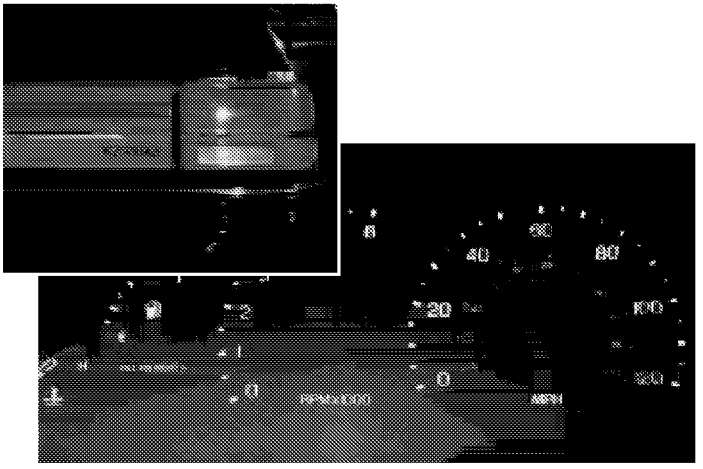


Pad Layout F



Dimensions are in millimeters





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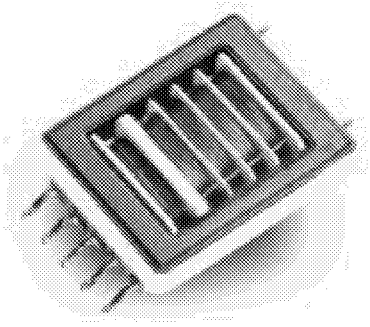
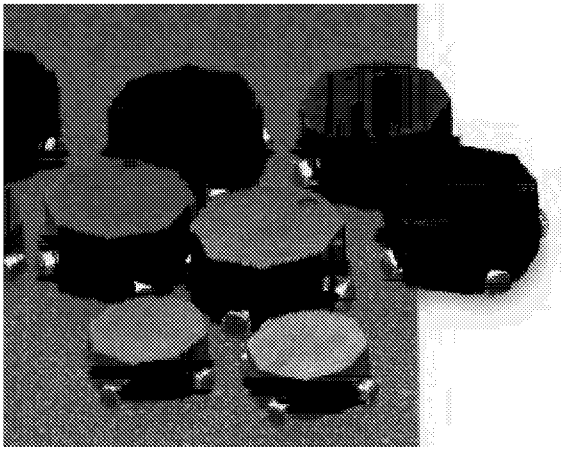
Coiltronics designs and manufactures Cold Cathode Fluorescent Lamp Inverter Transformers for use in CCFL Power Supplies. Standard product geometries are described in this Product Catalog. If your CCFL Inverter Transformer requirement is not described here, contact us. We can design one to meet your needs.





FEATURE - BENEFITS

- Currently Used in Latest Technology Flat-Panel Displays
- Available in Through-Hole and SMT Recess or Gull Wing Versions
- Available Incorporating Floating or Fixed Secondary Technology
- Supply Output Current up to 30 milli-Amps
- Operating Frequencies from 40 to 80 KHz
- Deliver Output Power from 2.5 to 14 Watts
- Offer Lowest Product Profile per Watt
- Sustain Infrared Reflow to +240°C
- Consume Least Amount of Surface Area per Watt
- Delivers Highest Efficiency in today's Marketplace
- Operate in Royer and other Topologies
- Can be Customized for your Specific Application

SPECIFICATIONS

Environmental

- Storage Temperature Range: -40°C to +85°C.
- Operating Ambient Temperature Range: 0°C to +70°C

  Wider temperature ranges are available on a custom basis.

Operational

- Typical Operating Frequencies are between 40 KHz and 80 KHz.
- Infrared Reflow Temperature is +240°C for 30 seconds maximum.
- Product Specifications are typical, except where noted, and subject to change without notice.

Coiltronics' OCTA-PAC and ECONO-PAC families of Surface Mount Power Inductor/Transformers are ideally suited for use with our CCFL Inverter Transformers in CCFL Circuit Applications. Further OCTA-PAC and ECONO-PAC product information is available upon request.

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Specialists in Standard Product and Custom Designed High Frequency Transformers and Inductors