

**Resonant System Components**

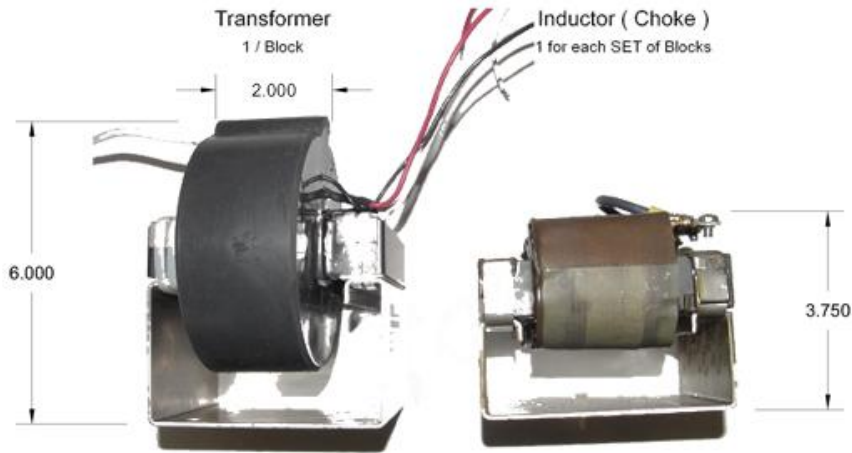


- Designed to provide maximum efficiency by allowing **digital** pulse drive by SSD and ATI series inverters. Magnets package converts pulse waveform to sine wave on cells for energy-efficient operation.
- Designed specifically for harsh electrical and environmental demands imposed by **continuous-duty, high-frequency, corona- discharge ozone, plasma** generation, and **electrostatic** applications.
- **Cost-effective, compact** and **high generation-efficient** design typically capable of supporting twice the ozone generation load of conventional components.

**Design Features:**

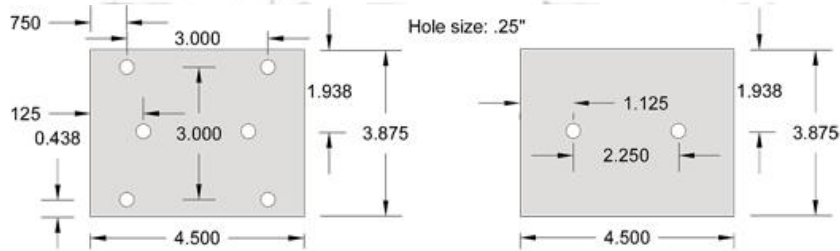
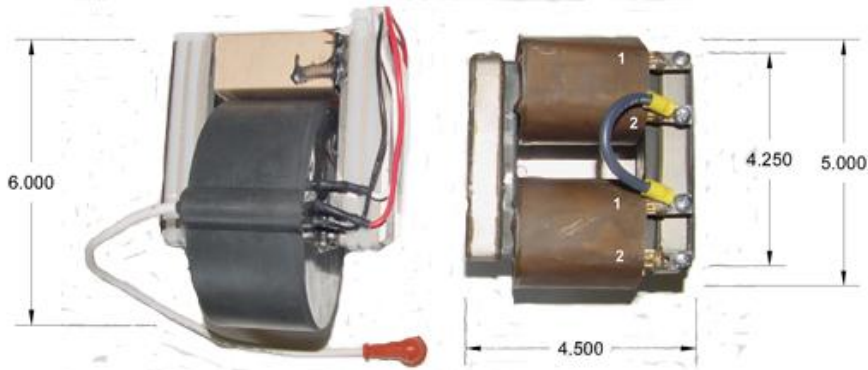
- Dry type of encapsulation provides the highest reliability in harsh increments, second to liquid filled.
- Design uses the finest high-quality material for maximum performance and efficiency.
- Chokes are strap able for dual-voltage operation.
- Package design intended for continuous operation with high power-factor plasma loads.
- Integral aluminum mounting brackets facilitate quick installation.
- Chokes are class 'H' for maximum durability and safe operation in the highest certified thermal settings.
- **Consistent performance**, high loading capacity and long life.
- All copper windings, and a rugged, **high-temperature**, high-voltage insulation system.
- Rigorous 100% performance as well as burn-in tests of all electricals are conducted at elevated operating temperatures to ensure the highest level of product **quality** and **reliability**.
- **Highly qualified technical support** with a thorough understanding of ozone and plasma applications.

# Installation Drawing Dimensional Table Inches



Primary: Red, White  
 Secondary Ground: Blck  
 Secondary High Voltage: White Silicon

Series Inductance, as shown (2 to 1) = x  
 Parallel Inductance, (1 to 1, 2 to 2) = x/4



**Performance Information:**

Inductors

Item	Cat #	Max Pri *Amps	Primary L	Freq Range Khz	Voltage Drop
1	SP223-1	10 / 5	.3mh / 1.2mh	5 - 25	400 / 800
2	SP206-1	60	27mh / 106µh	1-25	50 / 100
3	SP242-2	10	5mh	1-10	800
4	SP242-3	10	10mh	1-10	800
5	SP252-2	10 / 5	5 / 20mH	1-10	350 / 700
6	SP221-1	50 / 25	.9 / 3.8mh	1-15	400 / 800
7	SP221-2	40 / 20	1.25 / 5.0mh	1-15	400 / 800
8	SP221-3	50 / 25	1.03 / 4.1mh	1-15	400 / 800
9	SP305-1	10 / 20	.187 / .750mh	5 - 25	400 / 800
10	SP305-2	10 / 20	.3 / 1.2mh	5 --25	400 / 800

\* Values listed above, Configured in Parallel / Series.

Transformers

Item	Cat #	Secondary Kv	Freq Range Khz	VA	Inverter AC Input
1	SP223	5.5	5-25	1000	240
2	SP238	5.5	5-25	350	240
3	SP288-1	7.5	10-20	2000	240
4	SP239	10	5-25	350	240
5	SP242	10	1-10	1800	120
6	SP252	5	1-10	1800	120 / 240
7	SP236	10	5-25	1000	240
8	SP234	12	5-25	1000	240
9	SP216	15	5-25	1000	240
10	SP237	15	5-25	1500	240

Consult factory for pricing and availability of unlisted models. Prices are subject to change without notice.