

50 - 250 watt / med frequency **Solid State Transformers**



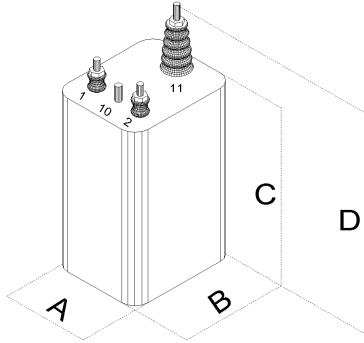
- Designed specifically for harsh electrical and environmental demands imposed by **continuous-duty, high-frequency**, corona- discharge, **ozone-generation** and **electrostatic** applications.
- State-of-the-art, **commercial-quality**, design features assure a significant increase in operational performance where standard automotive ignition coils routinely fail.
- **Cost-effective, compact** and **high generation-efficient** design typically capable of supporting twice the ozone generation load of a conventional transformer.
- **Hermetically sealed** for long service life in severe service applications, such as corona-discharge, ozone-generation, electrostatics and static bars. **2-year limited warranty**.

Design Features:

- **Hermetic sealing** with a superior grade of liquid encapsulate, introduced under vacuum, surrounds the critical components ensuring a virtual corona free operating environment within the enclosure, and a **long service life. 2-year limited warranty**.
- **Consistent performance**, high loading capacity and long life -- unlike automotive coils.
- All copper windings and a rugged **high-temperature**, high-voltage insulation system, housed in a very compact, hermetically-sealed, deep drawn enclosure.
- **Guaranteed secondary phasing** eliminates high-voltage flash-over between transformers and secondary wiring in systems with multiple transformers.
- 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**.
- Custom ceramic high and low-voltage terminations with 10-32 threaded studs enable industry standard **add-on terminations**, such as Rajah (spark plug) and others, to be used.
- **Separate ground stud** ensures proper grounding to the generator and enclosure. Primary and secondary are electrically independent.

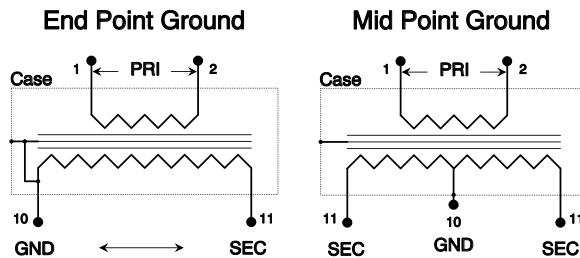
- **Standard voltage configurations** are end point grounded and are modeled after the highest energy automotive racing designs. Models for frequency: **ranges 400hz - 2khz and 2khz - 15khz**. Standard designs are based on low voltage primary (see back for details). Consult the factory for alternate configurations and voltages.
- **Highly qualified technical support** with a thorough understanding of ozone applications.
- * Optional **dual-positioning**, accessory-mounting brackets available (as shown in illustration). Custom mounting brackets are available upon factory consultation.

Installation Drawing



Dimensional Table Inches (mm)

	Case25	Case30	Case35	Case55
A	3 (76)	3 (76)	3 (76)	3.75 (95)
B	3.75 (95)	3.75 (95)	3.75 (95)	4.5 (114)
C	2.5 (65)	4 (102)	5.75(146)	5.75(146)
D	4.25(108)	5.25(133)	7.5 (191)	8 (203)



Mid Point Style



Mounting Plate

Performance Information

Item	Cat #	Turns Ratio	Max Pri Amps	Primary L / Ω	Primary Leakage Reactance	Max Kv / Watts	Freq Range Khz	Style	Case Size	Weight Lbs(Kg)
1	HFF106	120/1	5a	.73mh/.02	10μh	25/75	1 - 15	End Gnd	25	2.0 (0.9)
2	HFT107	58/1	5a	.44h/2.58	9.1mh	25/100	.4 - 2	End Gnd	35	4.0 (1.8)
3	SP225	50/1	3	2.8mh/.19	.36mh	10/250	1 - 10	Isolated/ End	30	3.3 [1.5]

Maximum case temperature for all models is 85°C.