



High voltage assemblies



OECO has long designed and manufactured specialty custom magnetic devices required to operate in unusual environments. OECO's high voltage assemblies are indicative of the effectiveness of our technology at work.

Representative high voltage assembly products include assemblies that operate in a Silicate Esther PAO (polyalphaolefin) environment, providing cooling as well as a high dielectric constant. Due to these characteristics, an extremely high voltage can be managed in relatively small volume.

These devices operate with a 10KHz pulsed input and generate a 12 KV output that is used to bias a traveling wave tube in airborne radar applications.

OECO's research into new insulation and core materials has allowed us to design and manufacture custom high voltage assemblies and other magnetic components that are keeping pace with the shrinking form factors of other custom electronic assemblies for defense and commercial aerospace applications.

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OECO

Our product competencies and services:
Permanent magnet alternators | Permanent magnet generators | AC/DC brushless starter generators | Aircraft light dimmers
Power supplies | Magnetics | Sensors | Meters

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