

## MAGNETICS

### Grade 4 Transformers and Inductors

- MIL SPECIFICATION

- MIL-PRF-27F Grade 4



Espey Mfg. designs and manufactures magnetics for its own power supply requirement and that of its customers. Espey knowledge of power supply topologies enables each magnetic to be engineered with the working experience required for seamless integration into converter and inverter designs.

#### Features:

- Operating frequencies up to and exceeding 600kHz.
- Toroid, bobbin, layer wound, and planar designs available in-house.
- Custom Components to unique board/power supply layout challenges.
- Utilizing modern techniques for hermetic sealing.

#### Qualification:

- MIL-PRF-27F

#### Specifications:

##### Electrical Specifications

##### COMPONENT TYPES:

- **Inductors**  
AC, DC, swinging, saturable, common-mode, resonant, coupled, filter, more..
- **Transformers**  
Power, fly-back, resonant, pulse, more..

##### Mechanical Specifications

##### COMPONENT DETAILS:

- Wire size: > 42 AWG
- Custom Headers
- Custom Inserts/ Heat sinks
- Custom encapsulant formulations for specific requirements

Grade-4