

## EMI FILTER

### Navy Shipboard Power-line Filter



Espey developed this EMI filter for a variable frequency drive (VFD) application. The design is a passive, multi-section LC filter network tuned for high attenuation of conducted emissions for application of an active rectifier, AC to DC converter, eliminating the requirement for transformer isolation, or multi-pulse techniques. The end use is Navy shipboard power interface and EMI compliant.

### Features:

- Meets the requirements of MIL-STD-461E when installed in the applicable variable frequency drive application.
- Meets the requirements of MIL-STD-1399/300A capacity to ground ( $< 0.1\mu\text{F}$ )
- Qualified to COTS + (4) requirement including:
  - MIL-S-901 shock
  - MIL-STD-167 vibration
  - MIL-STD-461 EMI
- Innovative design to enable the application of active line rectification for AC to DC power conversion

# FILTER INDUCTOR

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## Specifications:

### *ELECTRICAL SPECIFICATIONS*

Input Voltage:	450 Vac, 3-phase, 60Hz, MIL-STD-1399/300A
Current Rating:	425A continuous, 600A for 60 seconds

### *MECHANICAL SPECIFICATIONS*

Weight:	400 pounds maximum
Size:	35.50" X 12.50" X 7.50"
	Sealed enclosure
	Forced Air cooled

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EMI- Filter (DT-350-F)