ESPEY
Mfg. & Electronics Corp.

MAGNETICS

POWER TRANSFORMER ASSEMBLY

- Medium Voltage
- Navy Shipboard

Espey Mfg. designs and manufactures medium voltage dry-type power transformers up to 2.5MVA air-cooled, and 5MVA water-cooled. Espey transformers are used in military, heavy industrial and high reliability applications.

Features:

- 21kVA, natural convection cooled.
- 450V, single (1) phase, 60Hz
- 3.15kV (+3/-2 x 50V) Output
- 2% Voltage regulation
- Fully Self Protected – *(Over-Voltage, Over-Current, Over-Temperature)*
- 45° drip-proof enclosure

Qualification:

- MIL-S-901D Shock (Grade A)
- MIL-STD-167 Vibration (Shipboard)
- MIL-STD-740-1 and MIL-STD-740-2 (Airborne and Structure Borne Noise)
- IEEE C57.12.91-1998 Short Circuit Withstand

Specifications:

Electrical Specifications

- **Input:**
  Rated Voltage: 440 VAC, 60Hz, 3 PHASE
  (per MIL-STD-1399/300A)
  Rated Frequency: 60Hz
- **Output: (21kVA NOMINAL)**
  Secondary: 3050, 3100, 3150, 3200, 3250, 3300V
  Selectable off-circuit

Mechanical Specifications

- **Weight:** 830 lbs
- **Construction**: per MIL-T-15108
- **Insulation Class**: U, (200°C)

Rev. A

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