

MAGNETICS

EB-3P200 POWER DISTRIBUTION

Transformer Assembly



Filter Inductor

The EB-3P200 power distribution transformer assembly primarily consists of a power transformer stepping up shipboard mains voltage of 450V, 3 phase to medium voltage, 3.15kV for power distribution. The transformer and distribution components are constructed in accordance with MIL-E-917 and fully enclosed for naval shipboard application.

Distribution components:

- Overvoltage relay - LV
- Overvoltage surge suppression - LV
- Overcurrent relay - MV
- Overtemperature thermostats
- Resistive temperature devices (RTD)
- Off-circuit output voltage selection panel.

Medium Voltage Power Transformer Navy Shipboard (200kVA)

Features:

- Rating: 200kVA
- Voltage: 450v/3.15Kv (+2/-3 x 50v), delta/wye - ungrounded
- Frequency: 60 Hz
- Impedance: 2.3% At 200kVA
- Regulation: <2.0% At 200kVA, .85Pf
- Class: 220°C
- Natural convection cooled
- 450 drip-proof enclosure in accordance with MIL-E-2036

Qualified to:

- MIL-STD-167-1 (ships) - vibration
- MIL-S-901d - high impact shock
- IEEE Std c57.12.91-1995 - Short circuit
- Low structure-borne noise/ controlled acoustic performance
- Electrostatically shielded

EB-3P200