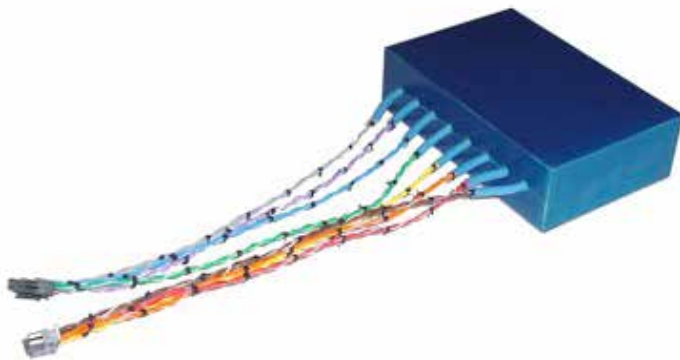


INDUCTOR ASSEMBLY

Switched Mode Inductor Assembly

this application:



Espey designed this switched mode inductor for a prime military contractor. The inductor assembly is an auxiliary reactor in a high power switched mode converter. The inductors are encapsulated and molded with a high thermal conductivity epoxy for dissipation to a heatsink interface.

Features:

- Multiple (8 of) inductor assembly
- Vacuum molded for thermal management
- High power density 37kVA total

FILTER INDUCTOR

Specifications:

ELECTRICAL SPECIFICATIONS

- Eight (8) individual inductors on eight (8) individual cores.
- Inductance: 148uH (5%) @ 200kHz, 5Arms
- Dielectric Withstand: 2.0kVrms

MECHANICAL SPECIFICATIONS

- Vacuum molded assembly to integral heatsink
- Thermal shock: in accordance with MIL-STD-202, method 107 test condition A (-40°C to +70°C)
- Molded lead-wires and strain relief
- Weight: 4.75 lbs

Inductor (RA-10-C)