

CAP-12271 Power Module



EaglePicher qualified the CAP-12271 to CAD/PAD Joint Program Office NACES requirements for the MXU-792A/A Battery Pack, MIL-DTL-82909, and is deemed a qualified source of supply.

Functional Description

The CAP-12271 Power Module is comprised of a manifold with two internal firing mechanisms that activate two thermal batteries. The power module is activated by pneumatic pressure which drives a firing pin into each thermal battery's primer. Once activated, the thermal batteries provide power to the NACES ejection seat's Digital Recovery Sequencer. Before activation, a temperature sensitive indicator stripe on each thermal battery will be pink, upon activation the indicator stripes will turn purple.

Characteristics

Some of the characteristics listed here are nominal; others are levels to which the units have been tested. Please consult an EaglePicher representative before using this data as a specification.

Specifications

Part Number	CAP-12271
NSN	6135-01-393-4746
Operational Environments	-65°F to 200°F
Activation Pressure	400 to 650 psi at an onset rate of 20,000 to 40,000 psig/sec of air pressure
Battery Output Voltage	22 volts minimum/60 volts maximum
Battery Operational Life	225 seconds

