



EP-4054 Power Module



Qualified source of supply to CAD/PAD Joint Program Office ACES II requirements for the JN25 Power Module

Functional Description

- Comprised of a manifold with two internal firing mechanisms that activate two thermal batteries
- Activated by pressure pulse which initiates two firing pins
- Each firing pin strikes the thermal battery's primer to initiate activation and produce an electrical to power a Digital Recovery Sequencer in the ACES II ejection seat

Specifications

Part Number	EP-4054
Dimensions	Length: 188 mm (7.4 in) max Width: 95 mm (3.7 in) max Height: 49 mm (1.9 in) max
Output Voltage	22 V min 60 V max
Rise Time	22 V within 80 ms at -40°C (-40°F) and 71°C (160°F)
Life	300 sec
Activation Pressure	400 to 650 psi at an onset rate of 20,000 to 40,000 psig/sec of air pressure
Operating Temperature	-40° to 71°C (-40° to 160°F)

