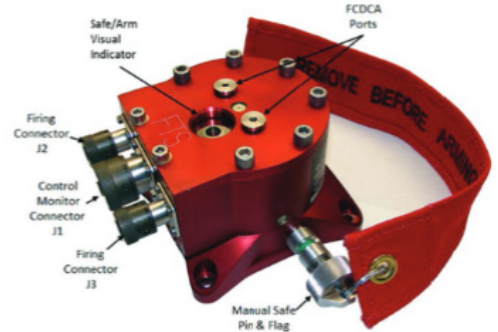


**PRODUCT FAMILY**

**ELECTROMECHANICAL SAFE & ARM DEVICE**

This electromechanical safe and arm device is constructed out of aluminum alloy, and provides the longest flight heritage and highest performance and reliability within our safe and arm family. The output is provided using redundant single-bridgewire detonators PSEMC P/N 107800-21. In the safe position the dual detonators are shunted by design, providing enhanced handling and assembly safety. In the armed position, it provides dual input to energy transfer lines over a wide temperature range. The design implements a safing-key which if installed inhibits the safe and arm device to be accidentally armed. The design is qualified to EWR 127-1, MIL-STD-1576 and RCC-319(T).



**PERFORMANCE DATA**

- Fire Circuit Resistance: 1.00  $\pm$ .2/ $\pm$ .3 ohms (each)
- Insulation Resistance: 100 Megaohms at 500 VDDC (pin combinations)
- ESD (detonators): 25kV at 500 VDC (pin-to-pin/pin-to-case)
- No-Fire (detonators): 1 Amp/1 Watt for 5 minutes
- All-Fire (detonators): 3.5 Amps (minimum)
- Operating Temperature: -65 °F to +165 °F
- Operating Voltage: 22 to 35 VDC
- Life Cycle Test: 1000 safe/arm cycles (minimum)
- Weight: 3.75 lbs MAX (without safing-key)
- Safe/Arm Time: 200 milliseconds
- Shelf Life: 10 years

ENVELOPE & DIMENSIONS

