

View Online at <https://aerobasegroup.com/nsn/6620-01-429-9115>

**Direct Current Voltage Rating In Volts:**

28.0

**Case Material:**

Aluminum alloy

**End Application:**

F110-ge100 engine f-16c/d acft

**Unpackaged Unit Length:**

10.00 inches

**Unpackaged Unit Width:**

6.50 inches

**Unpackaged Unit Height:**

5.00 inches

**Power Source:**

External or self-contained

**Intelligence Input Method:**

Electrical

**Special Features:**

Ambient operating temperature -65 to +160 degrees f.; download operating power 20 watts; normal operating power 50 watts; the emsc is an airframe mounted unit; battery backup

**Functional Description:**

Receives digital engine performance signals from the engine monitoring system processor and aircraft parameters from the mux; these signals are compared against predetermined limits stored in the emsc; exceedences and faults are transmitted to remote aircraft systems; also monitors the dec and its own performances and transmitts data to the pilot displays; detects engine control loop failures and compressor stalls

**Reference Data And Literature:**

To 5e1-2-12-1

**Fsc Application Data:**

Engine monitoring system computer (emsc)suppgbattery not included

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

A30800