

View Online at <https://aerobasegroup.com/nsn/6620-01-472-6461>

Direct Current Voltage Rating In Volts:

28.0

Case Material:

Aluminum alloy

End Application:

F110-ge-129 engine f16 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

Features Provided:

Electrostatic sensitive

Criticality Code Justification:

Feat

Special Features:

Operating temp -65 to 160 degrees f, maximum 30 minutes at 203 degrees f; download operating power 20 watts; normal operating power 50 watts; download operating voltage 28 vdc; the emsc is an airframe mounted unit containing a battery (except for air shipment); a flex-connector assembly and 4 electronic component assemblies including digital programed cpu board

Functional Description:

Receives digital engine performance signals from the digital electronic control (dec) and aircraft parameters from the aircraft mux bus; 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 performance and transmits date to pilot display; detect engine control loop failures and compressor stalls

Reference Data And Literature:

To5e1-2-12-1, -4

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fiig:

A30800