

View Online at <https://aerobasegroup.com/nsn/6610-01-308-1859>

Terminal Quantity:

5

Terminal Type:

Connector, plug

Mounting Type:

Rack

Alternating Current Voltage Rating In Volts:

115.0

Connector Manufacturer Code:

81349

Connector Manufacturer Part Number:

Ms27497e20b35sd and ms27497e20b35sc and ms27497e20b35sb and ms27847e20b35s and ms27497e14b35pa

End Application:

F-16a/b/c/d

Unpackaged Unit Length:

14.910 inches

Unpackaged Unit Width:

6.200 inches

Terminal Location:

Front

Power Source:

External

Input Intelligence Type:

Air pressure and air temperature and angle of attack and altitude, general data

Intelligence Input Method:

Air or electrical

Output Intelligence Type:

Altitude and astro tracker and true air speed and angle of attack and mach number and temperature and air density and maps coordinates
voltage

Phase:

Single

Frequency In Hertz:

400.0

Functional Description:

This is a device containing pressure transducers, interface electronics circuitry, and a digital computer. It receives inputs of pitot static pressure, angle of attack, total temperature, and barometric setting. The device converts these inputs into digital data for processing. The digital computer in the device corrects for errors caused by local flow and converts the data into desired parameters. This processed air data of altitude, air speed, angle of attack, mach, temperature, pressure parameter rates and validity and switch discretes are provided to other aircraft subsystems via digital and analog outputs.

Reference Data And Literature:

5f5-4-28-4

Shelf Life:

N/a

Unit Of Measure:

Fiig:

A30800