

View Online at <https://aerobasegroup.com/nsn/5840-01-334-9395>

Ac Voltage Rating:

Between 120.0 volts and 208.0 volts

Dc Voltage Rating:

33.75 volts

Frequency Rating:

60.0 hertz

End Application:

Radar set, an/fps-124

Joint Electronics Type Designation System Item Name:

Radar set

Joint Electronics Type Designation System Item Type Number:

An/fps-124

Electrical Power Source Relationship:

Operating

Transmitted Signal Frequency Rating:

Between 1.215 gigahertz and 1.400 gigahertz

Received Signal Frequency Rating:

Between 1.215 gigahertz and 1.400 gigahertz

Installation Design:

Fixed

Phase:

Three

Special Features:

Radar uses distributed phased array; local controlling function housed with shelter level equipment; remote controlling function housed at location separate from radar but linked via satellite communications; tower housing the shelter for shelter level equipment is not part of the radar

Functional Description:

Phased array I-band search radar designed for unattended operation at remote locations; computer controlled radar; includes circuitry to forward track data to proper radar control center

Supplementary Features:

Transmit power 7.9 kw peak; radar range 2-70 nmi; azimuth 360 deg; elevation -10 to +20 deg; prf 1066 pps avg; bandwidth 4 mhz; includes 1 rf switching gp, 1 radar set subassy, 1 electronic switch, 1 signal data converter, 1 memory unit, 2 comm. Modem, 1 band pass filter, 1 signal processor, 1 digital to digital converter, 2 radar computer, 1 radome, 72 antenna, 36 rf amplifier, 72 rf transmission line switch, 8 power supply, 3 receiver, 1 antenna group, 1 interconnecting elec. Control rack gp, 1 power supply gp, 2 controller-monitor group

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fig:

T208-a