

View Online at <https://aerobasegroup.com/nsn/7021-01-338-1593>

**Mounting Type:**

Fixed

**Alternating Current Voltage Rating In Volts:**

120.0

**Furnished Items And Quantity:**

Software: ap500 diagnostics; ap500 k and l function libraries; ap500 manager and drive; ap500 file server and host-idt interface; ap500 executive, q-library, f-library, s-library, ap500 linker, librarian; optional mc68000 assembly and pipeline assembler; documents: user and installation manual; 512k memory; i/o w/uut interface

**Power Source:**

External

**Input Intelligence Type:**

Digital and flight command information

**Intelligence Input Method:**

Electrical

**Output Intelligence Type:**

Digital

**Special Features:**

A 32 bit full floating point array processor; can interface with q22-bus computers; uses registers in host computer: command, message, software status; communication paths: programmed input output and data memory access transfer; data transfer up to 2.34 megabytes per second; 128k program memory

**Functional Description:**

Performs arithmetic functions for a host computer, such as vector operations, transcendental functions, fourier transforms, matrix operations, polynomial evaluations, statistical functions, flight simulations, image processing, vibration analysis; structural analysis

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

A30800