

FREQUENCY STANDARD OUTFIT FSA(3)(5)(6)(7)

SUMMARY OF DATA



FREQUENCY STANDARD OUTFIT FSA(3)
(WITH COVERS REMOVED)

PURPOSE

To provide highly accurate (1 part in 10^9) and stable frequency outputs at 5 MHz, and 100 kHz.

BRIEF DESCRIPTION

The equipments are as follows:

- (i) FSA(3) or FSA(7) consist of one cabinet containing two Frequency Standard Sources.
- (ii) FSA(5) consists of two cabinets each containing two Frequency Standard Sources.
- (iii) FSA(6) consists of two cabinets containing a total of three Frequency Standard Sources.

Each Frequency Standard Source comprises an Oscillator, Radio Frequency and a Power Supply. The Power Supply has a built in battery providing an automatic emergency supply. In the event of a failure of the 'in use' standard an adequate safeguard of one 'standby' is provided in each equipment. Implementation of the standby necessitates manual unplugging and plugging up operations at the cabinet (FSA(3)) or at the distribution boxes (FSA(5)(6)(7)).

MAJOR UNITS

Frequency Standard Outfit	NSN or AP No.	Description	Quantity
FSA(3)	5820-AP 164778	Cabinet Frequency Standard	1
	5820-99-971-7054	Oscillator Radio Frequency	2
	5820-99-971-7055	Power Supply	2
FSA(5)	5820-99-972-7787	Cabinet Frequency Standard	2
	5820-99-971-7054	Oscillator Radio Frequency	4
	5820-99-971-7055	Power Supply	4
FSA(6)	5820-99-924-7787	Cabinet Frequency Standard	2
	5820-99-971-7055	Oscillator Radio Frequency	3
	5820-99-971-7054	Power Supply	3
FSA(7)	5820-99-924-7787	Cabinet Frequency Standard	1
	5820-99-971-7055	Oscillator Radio Frequency	2
	5820-99-971-7054	Power Supply	2

PHYSICAL DATA

Cabinet, Frequency Standard (5820-AP 164778 and 5820-99-924-7787).

Height	Width	Depth	Weight
23½ in	18½ in	18 in	122 lbs (excluding units)

POWER REQUIREMENTS

115/230 V, 50/60 Hz, 50 w approximately per Frequency Standard Source.

HANDBOOK

BR 2445

ESTABLISHMENT LISTS

E1302 FSA(3)
S1554 FSA(5)(6)(7)

INSTALLATION SPECIFICATION

B919 FSA(3)
B1094 FSA(5)(6)(7)