

FREQUENCY STANDARD OUTFIT FSB

FSB

SUMMARY OF DATA

PURPOSE

Outfit FSB provides:-

(a) a 1 MHz standard frequency capable of supplying up to six 5820-99-580-1591 Frequency Synthesiser (part of Transmitter Type 640).

and (b) a 100 kHz standard frequency for associated receivers, eg Receiver Outfit CJK.

BRIEF DESCRIPTION

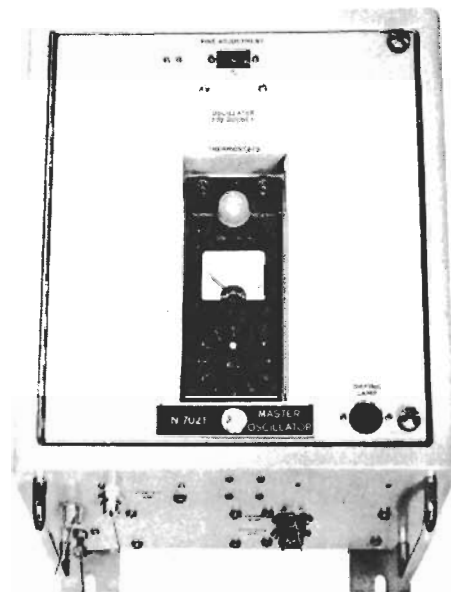
The basic oscillator is a sealed plug-in sub-assembly 5820-99-580-1593 Oscillator, 5 MHz. Its output is fed via a regenerative modulator frequency divider to a tuned amplifier to give the 1 MHz standard. The 1 MHz is also fed to a second regenerative modulator frequency divider and tuned amplifier to obtain the 100 kHz output.

CHARACTERISTICS

The output stability, at a constant ambient temperature and supply voltage, is better than 1 part in  $10^8$  (0.01 Hz in 1 MHz). The long term aging is better than 5 parts in  $10^8$  per month.

MAJOR UNIT

5820-99-580-1592 Oscillator, Radio Frequency



Dimensions

Height	Width	Depth	Weight
16 in.	12½ in.	7⅞ in.	35 lb

POWER REQUIREMENTS

Main Supply 100 to 130 V or 200 to 270 V, 50-60 Hz; 1 phase, 162 W  
Heating Supply 100 to 130 V or 200 to 260 V, ac or dc 17 W

HANDBOOK

BR 2345.

ESTABLISHMENT LIST

E1363.

INSTALLATION SPECIFICATION

B935.