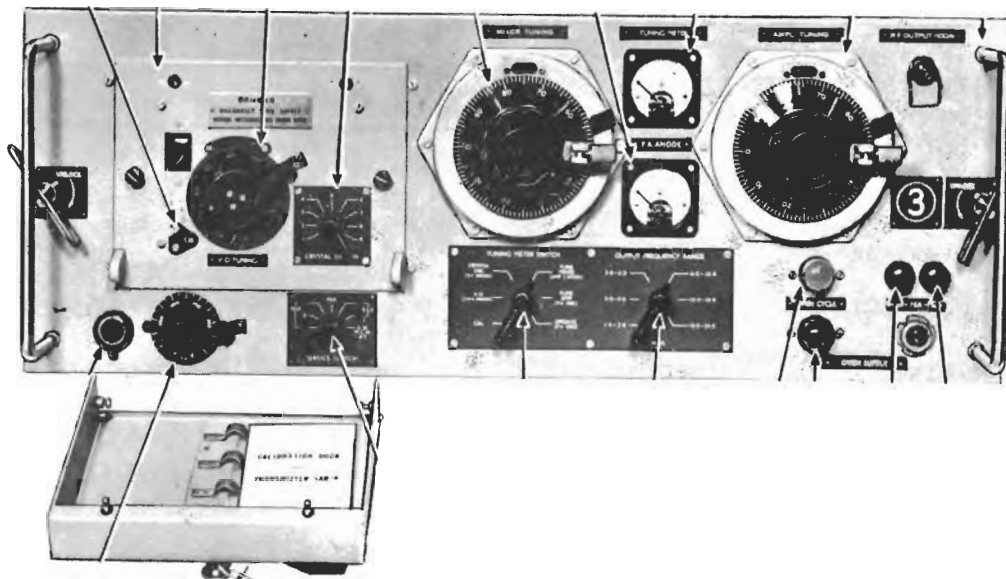


TRANSMITTERS 5AB/A & 5AB/C SERIES

SUMMARY OF DATA



PURPOSE	H.F. Transmitter or r.f. driver unit.
FACILITIES	C.W., M.C.W., R/T (A.M.), F.S.K. and Facsimile Transmission. Calling/Working facility is available on Type 5 AB/C only.
FREQUENCY RANGE	1.5 to 24.0 MHz, continuously variable.
OUTPUT POWER	40 watts.
OUTPUT IMPEDANCE	100 ohms.
FREQUENCY TOLERANCE	within 0.003% of assigned frequency (with oscillator oven temperature stable at 75 °C) for ambient temperature variations from 20 °C (68 °F) to 50 °C (122 °F) and ± 5% mains voltage variations.
FREQUENCY CONTROL	Partial crystal control over whole frequency range. Reactance capacitive component, set as required, controls frequency of variable Oscillator for fixed and variable shifts.
FREQUENCY SHIFT	Fixed. Any shift up to 1000 Hz symmetrically disposed about the assigned frequency. Choice of positive or negative going marks. Variable. A d.c. input of ± 1 V will vary the output frequency by approximately ± 500 Hz.
FREQUENCY SHIFT KEYING INPUT	30 to 150 V single current operation or ± 10 to ± 80 V double current operation.
KEYING SPEED	Normally up to 100 bauds. (with capacitor 3-C122 removed from circuit, up to 250 bauds).
OVEN TEMPERATURE	Automatically maintained at 75 °C.

POWER SUPPLIES

As for AP W8360 Unit 5AB obtained from Power Unit SE13, and 115/230 v 50/60 Ha a.c., 180 watts for oven heaters.

DIMENSIONS AND WEIGHT

Height	Width	Depth	Weight
10.5 in (26.7 cm.)	28 in (71.1 cm.)	14 in (35.6 cm.)	87 lb * (39.46 kg.)

*This weight includes that of the r.f. Oscillator unit which itself weighs 12.5 lb. (5.67 kg.)

BASIC COMPOSITION OF EACH TYPE

Type	Transmitter Drawer	Oscillator Unit	External C/W Switch
5AB/A	AP 164322	AP 164420	
5AB/AB	AP 164732	AP 164855	
5AB/AC	AP 164732	AP 164759	
5AB/C	AP 164732	AP 164759	AP 8283

HANDBOOK

BR 2212

ESTABLISHMENT LIST

INSTALLATION SPECIFICATION

} Included in Types 601-5 Series.