

SUMMARY OF DATA

PURPOSE

Medium power HF amplifier, used in conjunction with Transmitter Drive Outfit (TDA) for Integrated Communication Systems. Provides unattended operation with rapid changes in transmitted frequency.

TYPE OF TRANSMISSION

ISB, FST and CW.

FREQUENCY RANGE

1.5 to 24 MHz.

BRIEF DESCRIPTION

The amplifier is a two stage balanced distributed amplifier, using nine pairs of CV3998 valves in the penultimate stage and eight pairs of CV2487 valves in the final stage. The output is taken through an appropriate aerial exchange outfit to the selected aerial.

MAJOR UNITS

<u>NSN or AP No.</u>	<u>Title</u>
5820-99-971-8858 104850	} Cabinet, Electrical Equipment
5820-99-580-1078 104852	
5820-99-580-1079 104853	} Amplifier, Radio Frequency (Penultimate Stage)
5820-99-580-1080 104854	
5820-99-580-1077 104851	} Coupler Directional
5820-99-580-1081 104855	
5820-99-580-1082 104856	} Meter Assembly, Electrical
5820-99-580-1083 104857	
5820-99-580-1084 104858	} Power Supply (E.H.T. Power Supply)
	} Transformer Power Distribution



CABINET ELECTRICAL EQUIPMENT

PHYSICAL DATA

Cabinet, Electrical Equipment Height 5 ft 9½ in. Width 1 ft 8½ in. Depth 2 ft 3 in. Weight 720 lb.

POWER REQUIREMENTS

380 to 450 V, 50 or 60 Hz, three phase.

POWER CONSUMPTION

Standby - 600 w

Power on 4 kw (No r.f. output)
 6 kw (with r.f. output)
 5.2 kw (Peak envelope power two-tones)

AERIAL SYSTEM

The amplifier is designed to operate through an Aerial Exchange Outfit via a 50 ohm coaxial feeder, to the elected aerial.

HANDBOOK

BR 2362

ESTABLISHMENT LIST

E1299

INSTALLATION SPECIFICATION

B919/PRE2