

**APPENDIX B**  
**OPERATING/SERVICE/INSTRUCTION MANUAL**

## GENERAL SPECIFICATIONS

FREQUENCY RANGE: 400 - 512 MHz

BANDWIDTH:  $\pm$  7 MHz

OPERATING MODE : FM

MODEL	POWER INPUT	POWER OUTPUT	NOMINAL CURRENT DRAIN	FUSE
PA6-1AC	1-4W	25-50W	8 AMPS	15 AMPS
PA6-1AC-2	3-6W	25-50W	8 AMPS	15 AMPS
PA6-1AE	1-4W	70-100W	20 AMPS	25 AMPS
PA6-1AE-2	3-6W	70-100W	20 AMPS	25 AMPS
PA6-1BC	8-15W	25-50W	7 AMPS	10 AMPS
PA6-1BE	8-15W	70-100W	16 AMPS	20 AMPS
PA6-1FE	20-40W	70-100W	15 AMPS	20 AMPS
PA6-1BEE	10W	200W		
PA6-1AEE	5W	250W, 280MHz		

NOTE: 100 WATTS MINIMUM OUTPUT AVAILABLE IF SPECIFIED

OPERATING TEMPERATURE RANGE: -30° to +50° Celsius

OPERATING VOLTAGE: Minimum 11 VDC, maximum 14 VDC, as measured at the DC input connector. Rated voltage is 13.8 Volts and all specifications are given at 13.8 Volts. Reduced DC voltage will result in a decrease in power output and efficiency.

EIA DUTY CYCLE: 100%

RECEIVER INSERTION LOSS: 1 dB maximum (400-512 MHz), when optional receive relay is specified.

HARMONIC ATTENUATION: All harmonics -56dB minimum at 20 watts rising to -67dB minimum at 250 watts.

CONNECTORS: TYPE N Female on RF input and output. DC input is a two terminal barrier strip unless unit is supplied with AC power supply.