

GENERAL SPECIFICATIONS

FREQUENCY RANGE: 136 - 175 MHz

BANDWIDTH: \pm 5 MHz, on units below 120 watts, 30 MHz is available when specified.

OPERATING MODE : FM

| MODEL | POWER INPUT | POWER OUTPUT | NOMINAL CURRENT DRAIN | FUSE |
|---------|-------------|--------------|-----------------------|---------|
| PA3-1AD | 1-4W | 70-90W | 16 AMPS | 25 AMPS |
| PA3-1AE | 1-4W | 80-120W | 16 AMPS | 25 AMPS |
| PA3-1DD | 8-15W | 70-90W | 15 AMPS | 20 AMPS |
| PA3-1DE | 8-15W | 80-120W | 16 AMPS | 25 AMPS |
| PA3-1FD | 15-30W | 70-90W | 12 AMPS | 20 AMPS |
| PA3-1FE | 15-40W | 80-120W | 14 AMPS | 20 AMPS |
| PA3-1FF | 8-15W | 200-250W | 36 AMPS | 50 AMPS |
| PA3-1GF | 20-70W | 140-250W | 25 AMPS | 40 AMPS |

OPERATING TEMPERATURE RANGE: -30° to +60° Celsius

OPERATING VOLTAGE: Minimum 11 VDC, maximum 15 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 (136-175 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 on RF input and output. DC input is a two terminal barrier strip unless unit is supplied with power supply.

MOUNTING: -RX Extruded aluminum heat sink/panel. No fan needed for 100% duty cycle operation with PA3 standard amplifiers. 250 watt amplifiers are normally supplied on the -RF heat sink.