

## TPL RXR SERIES AMPLIFIERS

The RXR Series amplifiers are our most popular cost effective, continuous duty power amplifiers. This package will accept any TPL amplifier from VHF Low Band through 960 MHz, with output levels up to 125 watts. All configurations use 7" of vertical rack space and are designed with a flat front panel allowing for installation into a cabinet leaving sufficient room for airflow with the door closed. These amplifiers have a circuit breaker/on-off switch conveniently located on the front panel and can be supplied with or without a switching power supply. This series is the most versatile unit of its type on the market today.

SPECIFICATIONS	
<b>Power Input</b>	Standard TPL amplifier input levels, optional 10mW or less.
<b>Power Output</b>	Up to 125 Watts
<b>Frequencies</b>	VHF Low Band, VHF High Band, UHF, 806-960 MHz
<b>Voltage</b>	13.8 VDC, 120 or 240 VAC (24 VDC or 48 VDC available)
<b>Current</b>	Model dependent.
<b>Harmonic Attenuation</b>	Exceeds FCC and IC specifications
<b>RF Connectors</b>	Type N, 50 Ohms
<b>Operating Temperature</b>	-3 to +50 degrees C
<b>Duty Cycle</b>	Continuous (100%)
<b>Weight</b>	7 lbs., 14 lbs, w/power supply
<b>Dimensions</b>	19" W x 7" H x 3" D (without fan), 19" W x 7" H x 5" D (with fan) 8" D w/power supply

FEATURES	
<ul style="list-style-type: none"> <li>Accommodates all bands from 29.7 MHz to 960 MHz</li> <li>.100% duty cycle operation.</li> <li>Repeater or base station operation (with solid state bypass relay option).</li> <li>19" rack mountable configuration.</li> <li>Available with or without self-contained switching power supply.</li> </ul>	<ul style="list-style-type: none"> <li>Front panel circuit breaker/on-off switch.</li> <li>Flat front panel allows for cabinet door closure.</li> <li>Optional provision for battery backup.</li> <li>Cost effective design.</li> </ul>

ODEL NO		POWER IN	POWER OUT
<b>VHF LOW BAND 29.7 TO 50 MHz</b>			
All VHF Low Band Units with the exception of the PA1-1AC and PA1-1AC3 are available in three different sub-bands (L=29.7 - 36MHz) (M=36 -42MHz) (H=42-50MHz)			
<b>PA1-1AC-RSF</b>	+/-1 MHz Bandwidth	1-4 W	1-4 W
<b>PA1-1AC3-RSF</b>	+/-1 MHz Bandwidth	2-8 W	2-8 W
<b>PA1-1AE-RXRF</b>		2-4 W	60-100 W
<b>PA1-1BE-RXRF</b>		4-8 W	60-100 W
<b>PA1-1CE-RXRF</b>		8-16 W	60-100 W
<b>PA1-1DE-RXRF</b>		20-40 W	60-100 W
<b>PA1-1FE-RXRF</b>		40-60 W	60-100 W
<b>VHF MID BAND 66 TO 88 MHz (For export only - Not FCC or IC Certified)</b>			
<b>PA2-1AD-RXRF</b>		1-4 W	60-100 W
<b>PA2-1CD-RXRF</b>		5-25 W	40-100 W

**AERONAUTICAL BAND 118-137 MHz**

<b>**PA3-2AB-AIR-RXRF</b>	1-5 W CW	25 W CW / 100 W PEP
<b>**PA3-2AC-AIR-RXRF</b>	1-5 W CW	50 W CW / 200 W PEP

**VHF HIGH BAND 136 TO 174 MHz**

<b>PA3-1AC-RSF</b>	1-5 W	15-60 W
<b>PA3-1BC-RSF</b>	2-10 W	15-60 W
<b>PA3-1AE-RXRF</b>	1-5 W	40-125 W
<b>PA3-1BE-RXRF</b>	2-10 W	40-125 W
<b>PA3-1DE-RXRF</b>	5-25 W	40-125 W
<b>PA3-1FE-RXRF</b>	10-50 W	40-125 W
<b>**PA3-2FF-RXHF3</b>	8-15 W	150-250 W
<b>**PA3-2GF-RXHF3</b>	30-60 W	150-250 W

**UHF 380-512 MHz**

All UHF units are available in two different sub-bands (M=400-470 MHz) (H=470-512 MHz)

<b>PA6-1AC-RSF</b>	1-5 W	15-60 W
<b>PA6-1BC-RSF</b>	2-10 W	15-60 W
<b>PA6-1AE-RXRF</b>	1-5 W	40-110 W
<b>PA6-1BE-RXRF</b>	2-10 W	40-110 W
<b>PA6-1DE-RXRF</b>	5-25 W	40-110 W
<b>PA6-1FE-RXRF</b>	10-50 W	40-110 W

**UHF HIGH BAND 806 TO 960 MHz**

<b>PA8-1AA-RSF</b>	1-3 W	10-20 W
<b>PA8-1AB-RSF</b>	1-3 W	10-40 W
<b>*PA8-1ED-RXRF</b>	50mW-1W	40-80 W
<b>PA8-1AD-RXRF</b>	1-5 W	40-80 W
<b>PA8-1BD-RXRF</b>	2-10 W	40-80 W
<b>PA8-1DD-RXRF</b>	4-20 W	40-80 W
<b>**PA8-2EF-RXRF</b>	50mW-1 W	60-125 W
<b>**PA8-2AF-RXRF</b>	1-4 W	60-125 W
<b>**PA8-2BF-RXRF</b>	2-8 W	60-125 W
<b>**PA8-2DF-RXRF</b>	4-15 W	60-125 W

\*Input level must be specified at time of order