



This is a preliminary datasheet and is subject to change.11/13/2007

Features

- ✘ Fully Integrated Amplifier
- ✘ 600 W CW or 750 W P-SYNC
- ✘ Remote Current Monitoring
- ✘ Remote TTL ON/OFF Logic
- ✘ Proven Design in XMTRS to 5 KW
- ✘ Broadband Tested 176-220 MHz



General Description

The PA750H was designed for single or multiple integration for high power TV transmitter. DB9 interface provided to current monitoring or remote control. One amplifier meets all high VHF TV requirements in a single package. Check the list of options available below to aid in completing the design.

Specifications

Maximum Ratings

Supply Voltage.....	33 VDC
RF Input Power.....	4 W P-SYNC
Overdrive for 1 Second.....	5 W P-SYNC
Base Plate Temp.....	70 Deg C
ICQ Each Device.....	5 Amps

Available Options

- 1 *MFA1PAH chassis including fans
- 2 DC power supply 32 VDC 65 Amps
- 3 Remote monitoring panel ADP500
- 4 600 W CW isolator load
- 5 Directional couplers for power meter

Operating Condition

Supply Voltage.....	32 VDC
Base Plate Temp.....	65 Deg C
Power Output.....	750 W P-Sync
ICQ Total.....	55 Amps
Operating Class.....	Hard AB

Mechanical Specifications

Dimensions: Inches [Millimeters]

Height.....	10	[255]
Width.....	16	[406]
Length.....	8.8	[224]

Electrical Specifications

Frequency Range.....	176-220 MHz
Power Gain.....	23 dB minimum
Gain Ripple.....	1.5 dB typical
Efficiency.....	27% typical
Isolator output protection recommended	

Hardware

Mounting.....	MFA1PAH or OPT
Weight.....	38 LBS
RF Connector Input.....	Type N
RF Connector Output.....	Type N
DC Connerctos.....	ISO 5/16 STUD

* Specify option for MFA1PAH at time of purchase to include special wiring

Cooling Requirements

Inlet air to outlet air delta 27 Deg C.