



- Full color touch screen display
- Internal band pass filter (mask)
- Internal RF isolator UHF only
- 2 stage amplification
- Class A/AB operation
- Ultra Linear
- Linear and non linear pre correction with Technalogix TM600-8VSB modulator
- Automatic adaptive pre correction option available
- Compliant to ATSC A53/B
- Designed for adjacent operation
- Ultra efficient switching power supply
- 2 Year Warranty

RF CHARACTERISTICS

<i>Frequency Range</i>	UHF 470 - 860 MHz. VHF 50 - 230 MHz
<i>Input Power</i>	0 dBm
<i>Rated Output Power</i>	40 Watts @ 8VSB
<i>Input Impedance</i>	50 ohm into amplifier, BNC female
<i>Output Impedance</i>	50 ohm, N female
<i>Digital Signals</i>	8VSB, QAM, DVBT/H, etc (output power will change between standards)
<i>MER</i>	>36 dB typical
<i>BER</i>	>38 dB typical
<i>SN</i>	>40 dB typical
<i>Phase Jitter</i>	>104 dB
<i>Shoulders</i>	>-50 dB typical, ATSC mode compliant to ATSC A53/B

INTERFACE

<i>DB25 Remote Port</i>	Control: RF carrier on/off, RF power up/down, reset Monitor: Forward/reflected RF level, control PCB Vcc Flags: Amplifier overdrive, VSWR (adjustable trip point), high temperature
<i>Ethernet</i>	Control: RF carrier on/off, RF power up/down, AGC/manual mode, change VSWR trip point, reset Monitor: Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model/serial number Flags: Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, temperature, AGC/manual status
<i>SNMP</i>	Control: RF carrier on/off, RF power up/down, AGC/manual mode, change VSWR trip point, reset Monitor: Forward/reflected RF level, DC pallet voltage, RF input level, temperature, 12V/30V/48V current, attenuation, run time, RF fault, model/serial number Flags: Amplifier overdrive, VSWR, temperature, SNMP error

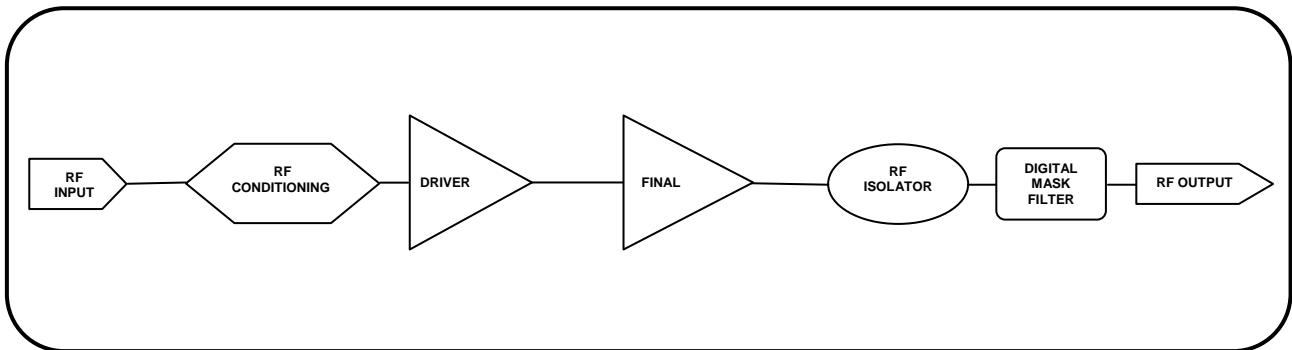
PHYSICAL FEATURES

<i>Lightweight Enclosures</i>	Amplifier	- 40 lbs
	Modulator/processor (Technalogix)	- 12 lbs
<i>Minimal Rack Space</i>	Amplifier	- 3U case, 5 "H x 24"D x 19"W
	Modulator/processor (Technalogix)	- 2U case, 3.5"H x 16"D x 19"W
<i>Operating Temperature</i>	0 to +45° C	
<i>Humidity</i>	90% non condensing	

ELECTRICAL

<i>Universal AC Input</i>	200 - 240 Vac, 47/63 Hz, single phase	
<i>EMI Filtered max AC Power</i>	Filter/power supply	- 3.5 amps @ 110 Vac (feeds DC to Amplifier)
	Modulator/processor (Technalogix)	- 0.4 Aac @ 115 Vac, 0.2 Aac @ 230 Vac

TYPICAL BLOCK DIAGRAM



** Due to continuous product improvements, Technalogix reserves the right to change specifications without notice. **