



- Liquid crystal display front panel monitoring
- Internal band pass filter
- Internal RF isolator
- 2 stage amplification
- Class A/AB operation
- Made in North America
- 2 year warranty
- Ultra efficient 440 Watts power consumption @ 30 watts output
- Super Heterodyne Processor Agile input/output
- FCC QH5TLUD30E
- FCC QH5TLVD40E

SPECIFICATIONS

Processor

<i>Recommended Input</i>	-75 to -10 dBm (-55 dBm typ)
<i>Maximum Input</i>	0 dBm
<i>Off air channels</i>	VHF 2-6, 7-13, UHF 14 - 69
<i>RF Bandwidth</i>	6 MHz
<i>Input connector</i>	BNC, 50 ohm
<i>Output level(max)</i>	0 dBm

Power Amplifier

<i>Frequency range</i>	VHF 2-6, 7-13, UHF 14-69
<i>Input Power</i>	0 dBm
<i>Rated Output power</i>	30 Watts ATSC UHF, 40 Watts ATSC VHF
<i>Input Impedance</i>	50 ohm
<i>Output Impedance</i>	50 ohm
<i>Out of band emission</i>	>-50
<i>Signal to Noise</i>	35 dB
<i>Phase Noise</i>	-103 dBc/Hz (20 KHz offset)
<i>Pilot Carrier Frequency Stability</i>	10 KHz
<i>MER</i>	32 dB Tested with TM600-8VSB modulator
<i>Input Connector</i>	BNC, 50 ohm
<i>Output Connector</i>	N, 50 ohm

ADDITIONAL FEATURES

Power Amplifier

- Monitoring and Control
 DB25 remote port (power up-down, reset, power on- off, overdrive protection, VSWR protection (adjustable), monitor forward and reflected power, high RF input, low DC voltage, current monitoring)
- Digital mask Filter
- Digital Display and monitoring system

PHYSICAL FEATURES

Processor

Operating temperature 0 to 45° C (40 to 110 F)
Light weight enclosure 12 lbs
Minimal rack space 19"(W) x 3.5"(H) x 16"(L), 2U high
Humidity 90% non condensing

Power Amplifier

Operating temperature 0 to 45° C (40 to 110 F)
Light weight enclosure 40 lbs
Minimal rack space 19"(W) x 5.25"(H) x 24"(L), 3U high
Humidity 90% non condensing

ELECTRICAL

Processor

Universal AC Input 88 to 264 Vac, 50/60 Hz
EMI Filtered max AC 1 amp @ 110 Vac, 0.5 amps @ 220 Vac

Power Amplifier

Universal AC Input 88 to 264 Vac, 50/60 Hz
EMI Filtered max AC 3 amps @ 110 Vac, 1.5 amps @ 220 Vac

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