

TECHNICAL INFORMATION

AVX-35/UHF is a Broadcast Power Amplifier designed for both digital and analog applications. The unit is the state of the art in terms of easy assembly, reliability and performances. The complete unit can assure the compliance to all relevant international standards.



- ◆ A class Power Amplifier
- ◆ 35 Wps Out
- ◆ 5 Wrms Out DVB-T
- ◆ DTV (8 VSB): 25 Wrms
- ◆ Broadband (470-860 MHz)
- ◆ Easy maintenance
- ◆ Strong mechanical structure

TECHNICAL SPECIFICATIONS

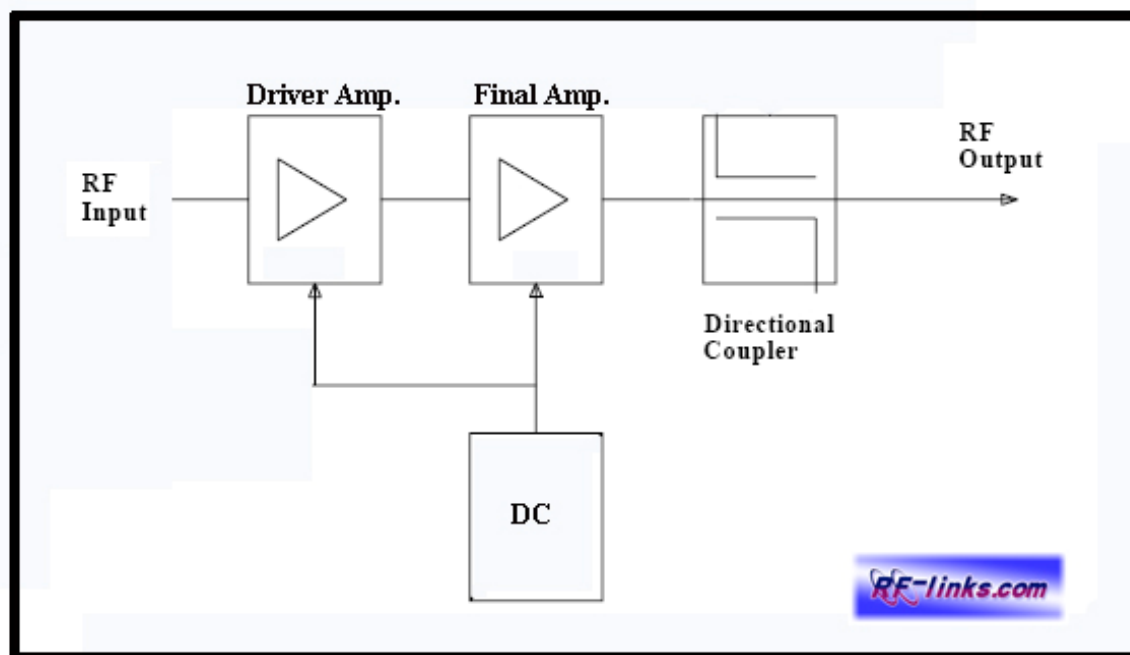
Electrical Data

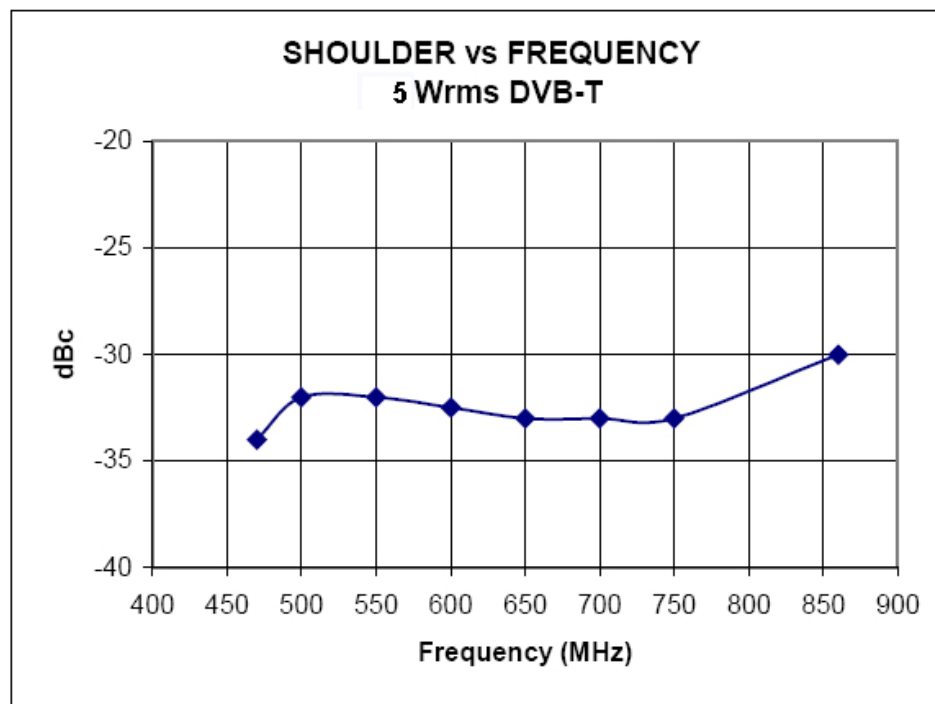
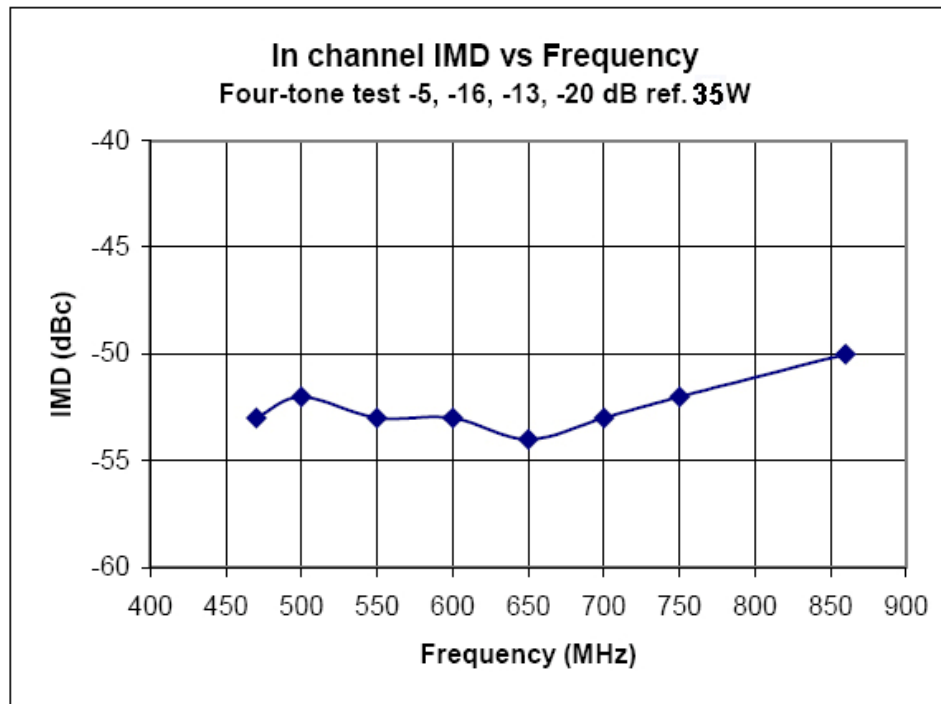
Voltage Supply	24 V DC (External AC power supply)
Power Consumption	168 W max
Current Consumption	7 A max @ 24 V
Operating Temperature	0 to +45 °C
Humidity	Up to 90% (non condensing)
Gain	10 dB nom. ± 2 dB
Power Out (1dB compression)	Min. 35W (Typ. 38W)
Input Return Loss	Min. -16dB (Typ. -20dB)
Output Return Loss	Min. -18dB (Typ. -20dB)
Load Mismatch (CW 30W F0 860MHz VSWR=2:1)	No degradation
P _{out} Common Amplif.	35 W Ps IMD < -46dB
P _{out} DVB-T	5 Wrms shoulder < -36dBc (with precorrection)
DTV (8 VSB)	25 Wrms
P _{out} PEP	35 W IMD < -27 dBc
Power Input	4 W
Size:	16.7"x3.49"x8"

Mechanical data and Interfaces

Dimensions	19" 3HU std 400mm depth
Weight	9 lbs
RF in	BNC connector rear panel
RF out	N connector rear panel
RF mon	N/A
RS 232	N/A
RS 485	N/A

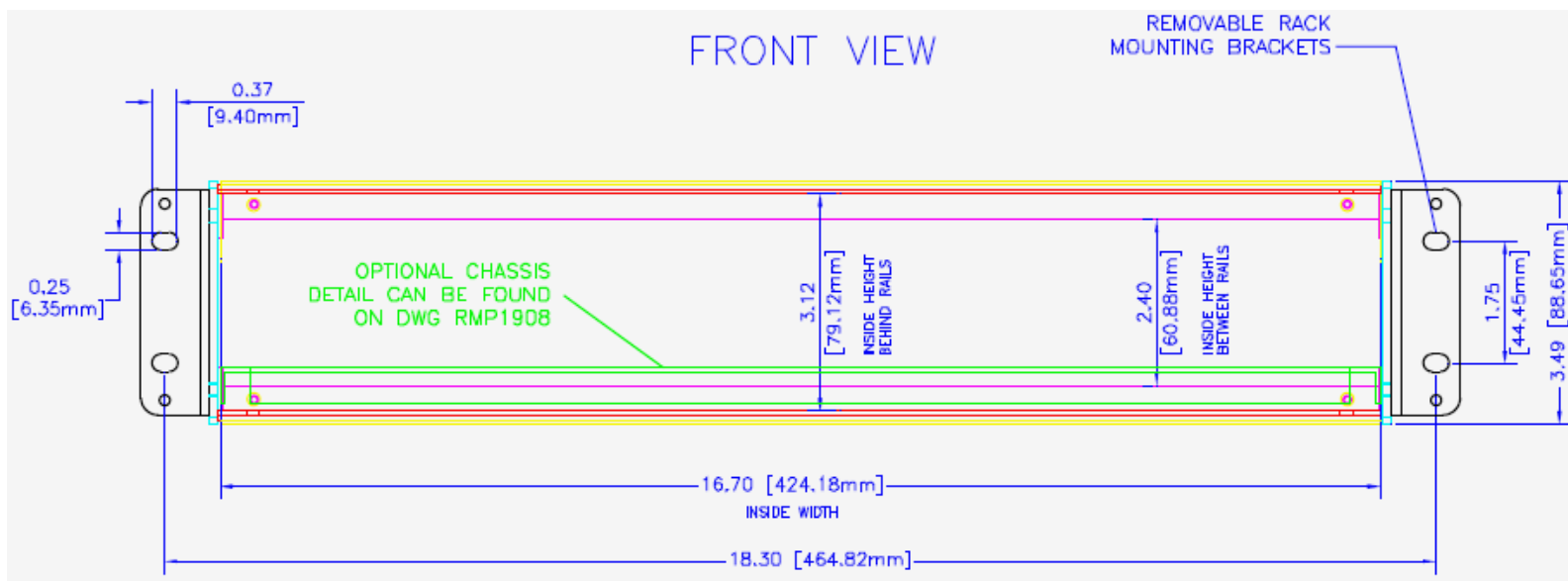
Block Diagram



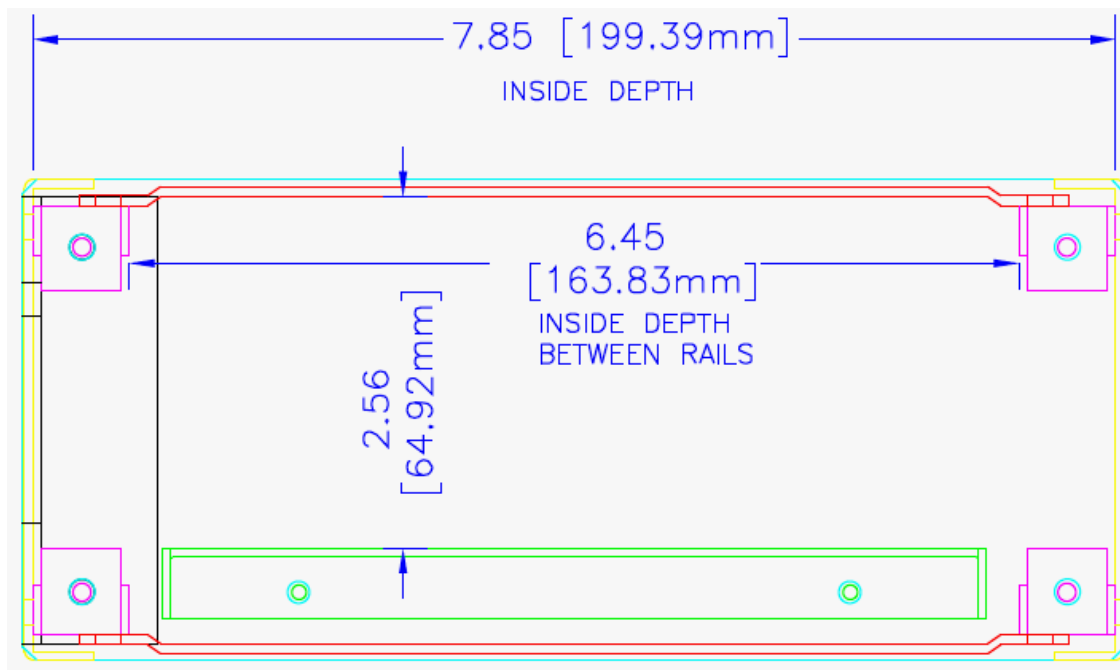




Mechanical Drawings



SIDE VIEW



TOP VIEW

