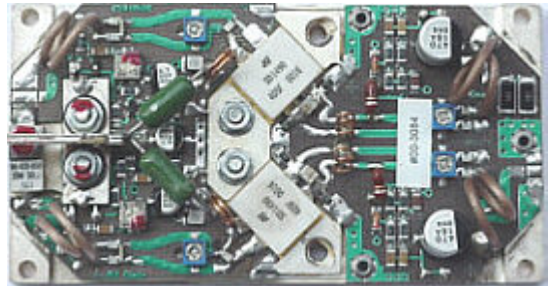




AMP-35W TV TV UHF LINEAR AMPLIFIER 35 W IN CLASS A

This is a High quality Professional UHF TV linear amplifier 35 W RF power in A class. It is broadband for all UHF TV channels from 470 MHz- 860 MHz. This amplifier needs 5 W RF power for the full 35 W output/50 ohms. Power supply is DC voltage 28 V /7 A. Extremely linear this amplifier has been made for a small TV stations and studios. It is ideal as an exciter for a high power TV stages. This amplifier comes assembled and tested! Power transistors are made by SGS Thompson. Warranty one year includes all components except output transistors! This amplifier has built-in VSWR protection circuit. A highest quality PC board is double sided and silver plated. This amplifier must be installed on a heat sink (not included).



Technical Specifications

470 MHz				660 MHz				860 MHz			
Gain	Phase	Pout	I (A)	Gain	Phase	Pout	I (A)	Gain	Phase	Pout	I (A)
(dB)	(deg)	Compr. @35W		(dB)	(deg)	Comp. @35W		(dB)	(deg)	Compr. @35W	
11.2	138*	0.10	6.6	11.5	-154*	0.25	6.6	11.0	-114*	0.20	6.6

Bandwidth	Pout=36W(CW)	470MHz	-	871 MHz	MHz
Power gain	Pref=33W, 3ton	9	9	11	dB
Power out@1dB compression	Pout 36W	35			W
I	Pout= 36W		6.6		A
Out return loss	Pout = 36W	14		19	dB
Intermodulation distortion-3 ton	Vision carrier --- 8dB	-52		-50	dBc
	Sound carrier---- 7dB				
	Sideband carrier- 16dB				
Gain flatness	36W power out	3 ton max 871 MHz	+0.6		dB