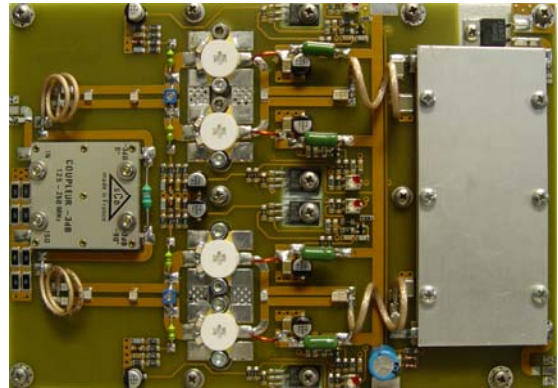




# AMP-60 VHF TV VHF LINEAR AMPLIFIER 60 W IN CLASS A

This is a complete tested professional 60 W VHF linear amplifier module in A class- pc board easy to use with minimum driving of 4 W RF input for the maximum 60 W RF power output. It is broadband in 175 MHz- 230 MHz and doesn't require any tuning or adjusting.  
Dimensions: 5.0" X 8.0"

- 170 ÷ 230 MHz
- 28 Volts
- Input/Output 50 Ω - 50 Ω
- Power Output: 60W
- Gain:14 dB min
- Class A
- Mounted on Heatsink
- Special version for DAB use(225-270 MHz)



ABSOLUTE MAXIMUM RATINGS			
Symbol	Parameter	Value	Unit
Vs	Voltage Supply	30	V dc
Is	Supply Current	12	A dc
Tstg	Storage Temperature Range	-30    +85	°C
Tc	Case Temperature RF Devices	-10    +70	°C

ELECTRICAL SPECIFICATIONS( T <sub>carrier</sub> = 25°C, 50 Ω loaded, Vs = 28 V, Is = 10A )						
Symbol	Parameter	Test Conditions	Value			Unit
			Min	Typ.	Max	
BW	Bandwidth		170		230	MHz
Gp	Power gain	Pref = 60 W, 3 tones	14	15		dB
Pout	Power output	Gain compression = 0.2 dB Typ	60			W
Icc	Supply Current	Pout = 60 W	-	10	-	A
Irl	Input return loss	Pout = 60 W	18	20	-	dB
Orl	Output return loss	Pout = 60 W	18	20	-	dB
Ψ	Load mismatch	Pref = 60 W, 3 tones, f = 230 MHz, Load VSWR = ∞ :1, all phase angles	No degradation in Pout			
Gr	Gain Flatness	Pref = 60 W, 3 tones, BW:170-230 MHz		± 0.5	± 0.7	dB
I <sub>md</sub>	Intermodulation Distortion – 3 tones	Vision carrier: -8 dB      F = 230 MHz Sound carrier: -10 dB      Vs =28 V Sideband carrier: -16 dB    Pref = 60 W	-	-55	-	dBc