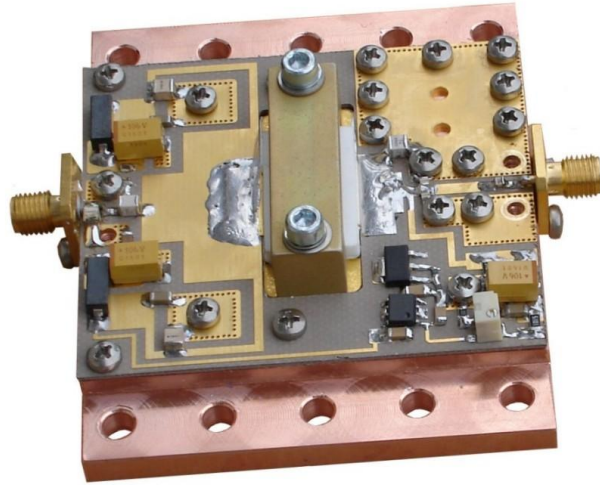


Developed and designed for Broadcast applications, this amplifier incorporates micro strip and MOSFET technology to guarantee 150, 300 and above output power if appropriately coupled.

Its high efficiency allows the usage of reduced size radiators (low dissipation)

- Frequency Range 1250 - 1350 MHz
- 27 - 232 Volt
- Input / output 50 Ω
- P_{Out} : 150 W ± 1dB
- Gain : ≥ 13 dB
- Class A, AB or C (adjustable)
- ALC input , inhibit
- Copper Base
- Teflon pc board



Dimension: (L x W x H) 80 x 65 x 30 mm

ABSOLUTE MAXIMUM RATING (T case = 25 °C)

Symbol		Value	Unit
V _s	Drain Voltage Supply	33	V dc
I _s	Supply Current	15	A dc
VSWR	Load Mismatch (all phase angles, T _c = 40°C @ 350 W)	5 : 1	
T _{bp}	Base Plated Operating Temperature	40	°C
T _{stg}	Storage Temperature Range	- 20 ÷ + 70	°C

ELECTRICAL SPECIFICATIONS (T case = 40° C, 50 Ω loaded, Vs = 30 V, IA = 11 – 12 A , IDQ = 0.5 A total)

Characteristics	Min	Typ.	Max	Unit
Operating Frequency Range	1240	1296	1370	MHz
Power Input	8.5		10.0	Watt
Power Gain	11.5	12	13	dB
Power Output (fundamental)	150	150	160	Watt
Input VSWR	1.2:1	≥1.3 :1	1.5:1	
Insertion Phase Variation (Unit to Unit)	±3	±5	±7	Degrees

Dynamic test Vs = 49 V. , IDQ = 400mA (total) , Copper Base Temperature = 40°c

Frequency MHz	Vdc	P. In Watt	Power output Watt (total)	F2 Second Harmonic	F3 Third Harmonic	Gain dB	Efficiency
1296	+30	9.5	150 CW	- 40 dBc	- 50 dBc	>12	≥ 44%