

Summary

WF8630 indoor unidirectional user's amplifier is special designed for the last "1km" of the CATV bidirectional transmission network. It adopts CATV dedicated RF modules(SOT+115 packaged), has good indexes, low power consumption, high reliability and excellent cost performance. It is suitable for the small and medium sized CATV transmission network.

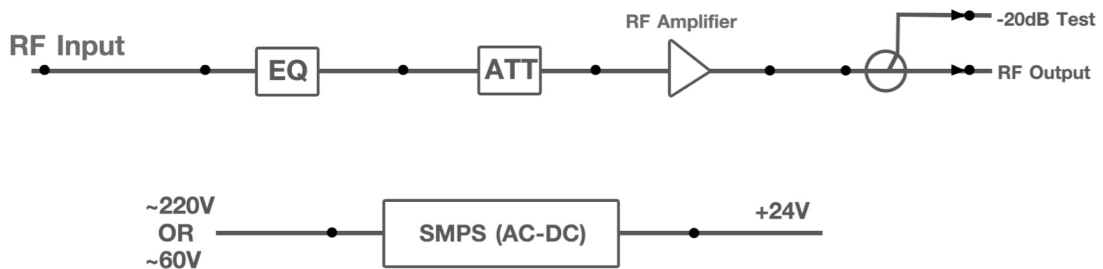
Features

- Adopt low noise microwave tube push-pull circuit or CATV dedicated RF modules (SOT-115 packaged), Stable output level and good nonlinear indexes.
- Built-in variable EQ and ATT, and the scientific and reasonable on-line detection port make the equipment debug more convenient
- Adopt Aluminum alloy housing, has good heat dissipation and nice appearance. The equipment can long time continuous work steadily under outdoor bad environmental condition because of the high reliable linear power and strict anti-lightning system.

Specification

Item	Unit	Performance Parameter
Forward Path		
Frequency Range	MHz	45~862
Rated Gain	dB	30
Min fill Gain	dB	≥30
Rated Input Level	dBμV	70±2
Rated Output Level	dBμV	100
Flatness in Band	dB	±1
Noise Figure	dB	≤10
Return Loss	dB	≥14
C/CTB	dB	≥58
C/CSO	dB	≥56
Group Delay	ns	≤10(112.25MHz/116.68MHz)
Signal to Hum Ratio	dB	<2
Gain Stability	dB	-1.0~+1.0
General Performance		
Characteristic Impedance	Ω	75
Supply Voltage	V	A:AC (165~250)V; B:AC (35~60)V
Impulse Withstand Voltage (10/700μs)	KV	>5
Power consumption	VA	8
Dimension	mm	178(L) x 100(W) x 55(H)

Block diagram



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