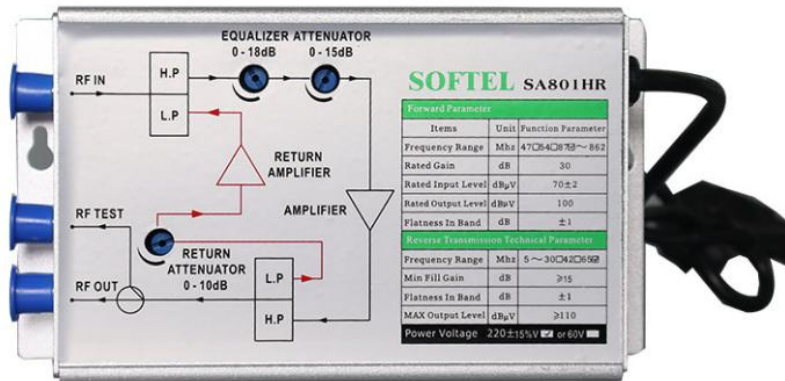


Bi-directional Indoor User Amplifier



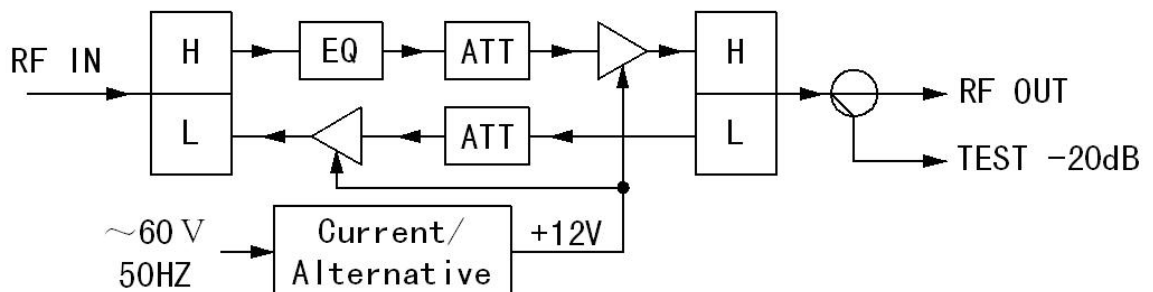
1. SUMMARY

It is specialized for construction of the network. High compact circuit and Aluminum-alloy, draw bench of surface, good index and fine outfit.

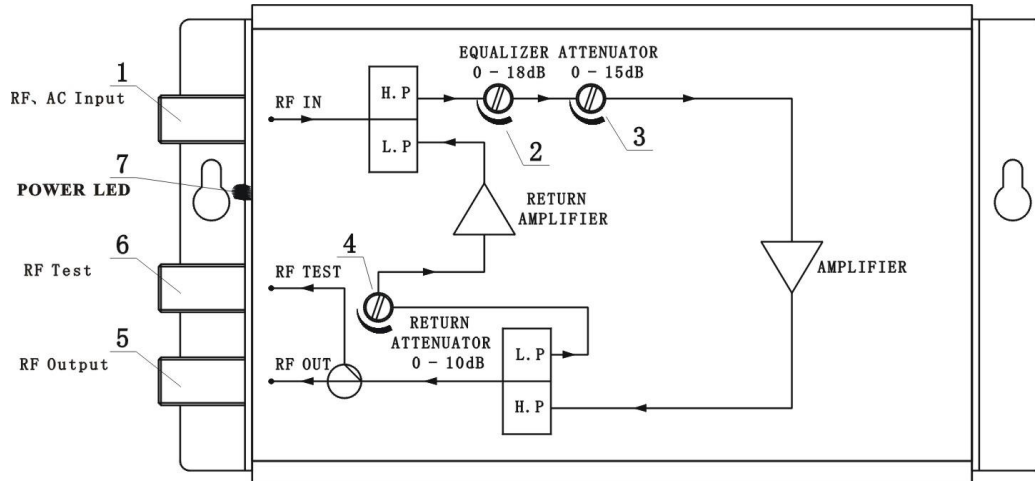
2. PERFORMANCE CHARACTERISTICS

- Adopt SOT-115 encapsulation RF module on access, reliable non-linear. Choose low-noise micro-wave push-pull circuit, small distortion and high S/N ratio.
- Set up EQ and ATT on the right place, more convenient of debugging.
- Small power consumption, high reliable, good performance and price ratio.

3. PRINCIPLE DRAWING



4. CONSTRUCTION EXPLANATION



5. Performance Parameters

Forward Transmission		
Frequency Range	MHz	(45) 85~862
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	≥114
C/CTB (84 PAL-D)	dB	≥58
C/CSO (84PAL-D)	dB	≥56
Signal to Alternative Noise Ratio	dB	≤2%
Gain Stability	dB	± 1.0
Voltage Stroke	KV	5
Backward Transmission		
Frequency Range	MHz	5~(30)65(or specified by user)
Rated Gain	dB	15
Flatness In Band	dB	±1
Noise Figure	dB	≤12
Return Loss	dB	≥16
MAX Output Level	dBμV	≥110
Carrier to second order inter modulation ratio	dB	≥52
Carrier to Alternative noise ratio	2%	<2
General Response		
Power Voltage(50Hz)	V	A:AC (110~250)V ; B: AC(35~60)V
Power consumption	VA	8
Impulse Resisting Voltage	Kv	>5
Dimension	Mm	178(L) x 100 (W) x55(H)