

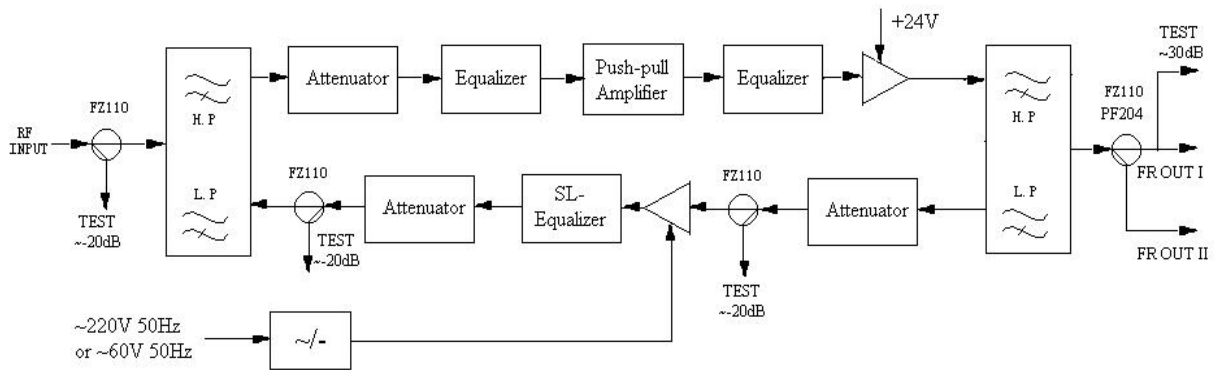
SA822 Bi-directional Amplifier

Suitably used in bi-directional transmission (can be reserved) and signal equalization of multi-class trunk transmission or high-required distributive network. Adopt PHILIPS, NEC imported power doubler modules. Audio pre-amplifier is low-noise microwave tube push-pull amplifier to insure enough gain. It has 1 input and 2 outputs, and each connection has over-current protection. The output branch or distributiveness can be changed following it. Double-equalizer is used, so adjusting multi-class transmission flatness is simple and convenient. Attenuator and equalizer are plug-in, so customers can choose fixed or adjustable style. High-reliable switch power (or linear power) and strict waterproof and anti-thunder design insure steady durative work.

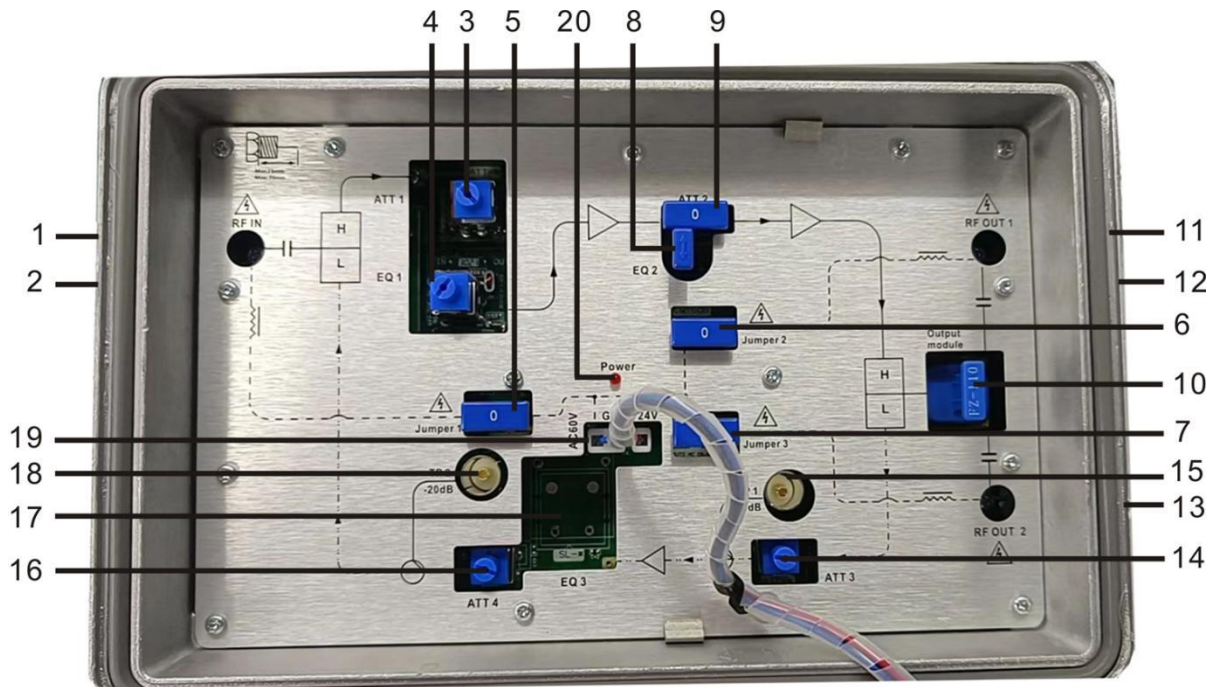
1. Technique Parameter

Item	Unit	Technical Parameters		
Forward Transmission				
Frequency Range	MHz	47/54/85~862	47/54/85~750	47/54/85~550
Rated Gain	dB	≥30	≥30	≥30
Flatness In Band	dB	±0.75		
Rated Input Level	dBμV	72		
Rated Output Level	dBμV	102	102	102
Gain Adjustable Range	dB	Adjustable: 0~15dB, Fixed: 3,6,9,12,15		
Slope Adjustable Range	dB	Adjustable: 0~24dB, Fixed: 6,9,12,15,18		
Noise Figure	dB	≤12		
CTB	dB	60		
CSO	dB	60		
Return Loss	dB	≥14		
Reverse Transmission				
Frequency Range	MHz	5~30/42/65(or specified by user)		
Flatness In Band	dB	±0.75		
Return Loss	dB	≥14		
Rated Gain	dB	0 or 20 selected		
MAX Output Level	dBμV	≥110		
Gain Adjustable Range	dB	0~15		
Slope Adjustable Range	dB	0~10		
General response				
Power Voltage (50Hz)	V	A: ~(130-265) V, B: ~(30-80)V ,C: ~(90-130)V		
Thunder Stroke	KV	5 (10/700μS)		
Dimension	mm	270×215×118		

2. Block Diagram



3. Structure Diagram



Power Source Voltage: ~220V(A), ~60V(B) ~110V(C)

1. RF Input	2. -20dB Input RF Test Port	3. Forward ATT1
4. Forward EQ1	5. Power Supply Pass Plug-in 1	6. Power Supply Pass Plug-in 2
7. Power Supply Pass Plug-in 3	8. EQ2 (-6dB)	9. Forward ATT Plug-in 2
10. Output Tap or Splitter (Optional)	11. RF Output 1	12. -30dB Output RF Test Port
13. RF Output 2	14. Reverse ATT1	15. Reverse RF Test Port 1
16. Reverse ATT2	17. Reverse EQ	18. Reverse RF Test Port 2
19. Mainboard Power Supply Input	20. Power Supply LED	