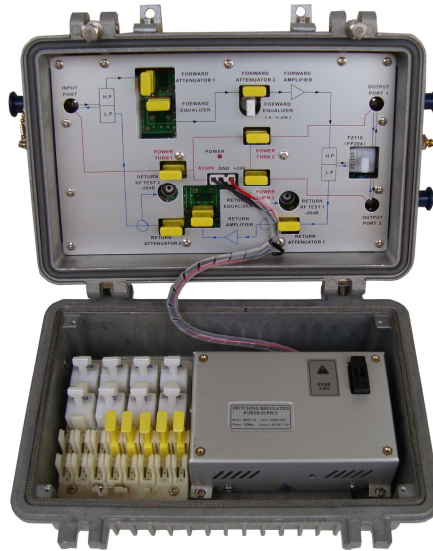


Trivia A2 - Line Amplifier



Summary:

Bi-directional line amplifier, up to 10A current pass. Philips high-gain module. Perfect bi-directional structure brings installation and debugging convenient.

Performance Characteristic:

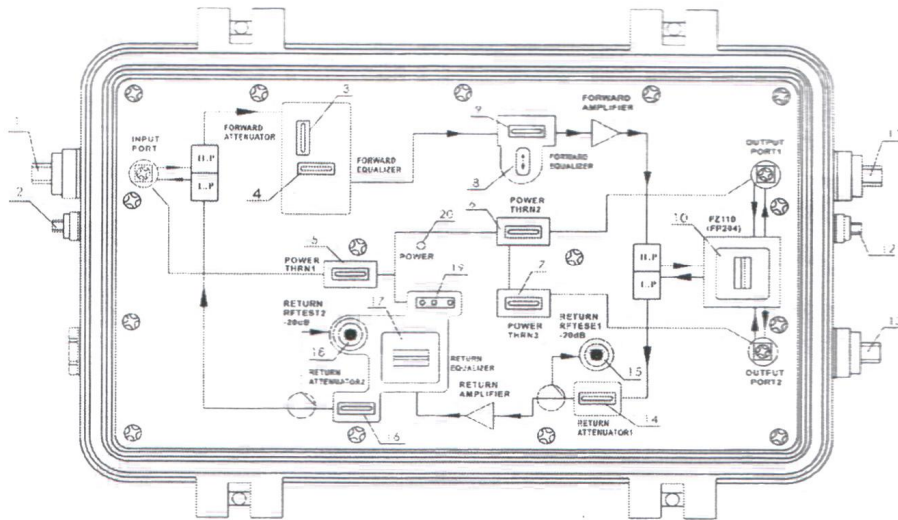
- Adopt Philips high-gain module
- Equalizer, attenuator have fixed structure for selection (adjustable optional)
- Output splitter or coupler can change to make engineering debug more agile.
- Forward and reverse signals have independent test port, easy to debug.
- Return channel adopt Philips amplify module, good quality duplex filter, plug fixed attenuators and equalizers, makes it high C/N.
- High reliable switch power and strict anti-thunder system fit for safe steady work in worse weather.
- Suitable large or middle-size bi-directional network main trunk signal transmission

Performance Parameters:

Item	Unit	PARAMETER	
		Trivia A2-86	Trivia A2-55
Forward Transmission			
Frequency Range	MHz	47/87~862	47/87~550
Rated Gain	dB	28	30
Rated Input Level	dB μ V	72	
Rated Output Level	dB μ V	102	
Flatness in Band	dB	± 0.75	± 0.5
Noise Figure	dB	≤ 12	
Return Loss	dB	≥ 14	
C/CTB	dB	≥ 63	≥ 66
C/CSO	dB	≥ 62	≥ 64
Gain Adjustable Range	dB	0~15dB, Fixed: 3,6,9,12,15	
Slope Adjustable Range	dB	0~24dB, Fixed: 3,6,9,12,15...	

Reverse Transmission		
Frequency	MHz	5~30/65
Rated Gain	dB	0 or 20 selected
Max Output Level	dBμV	≥110
Flatness in Band	dB	±0.75
Noise Figure	dB	≤12
Return Loss	dB	≥14
Gain Adjustable Range	dB	0~15
Slope Adjustable Range	dB	0~10
General		
Power Voltage	V	130-265 / 30-80
Thunder Stroke	KV	5(10/700 uS)
Dimension	mm	270x215x118

Product Structure:



- | | | |
|--------------------------------|---------------------------|----------------------------------|
| 1. RF Input | 8. Middle EQ (-6dB) | 15. Reverse RF Testing Port 1 |
| 2. -20dB Input RF Testing Port | 9. Forward ATT Plug-in 2 | 16. Reverse ATT Plug-in 2 |
| 3. Forward ATT Plug-in | 10. Output Tap or Coupler | 17. Reverse Fixed EQ |
| 4. Forward EQ Plug-in 1 | 11. RF Output 1 | 18. Reverse RF Testing Port 2 |
| 5. Power Supply Pass Plug-in 1 | 12. -30dB Output RF Test | 19. Mainboard Power Supply Input |
| 6. Power Supply Pass Plug-in 2 | 13. RF Output 2 | 20. Power Supply LED |
| 7. Power Supply Pass Plug-in 3 | 14. Reverse ATT Plug-in 1 | 21. Switch Power Supply |

Pane Drawing:

