

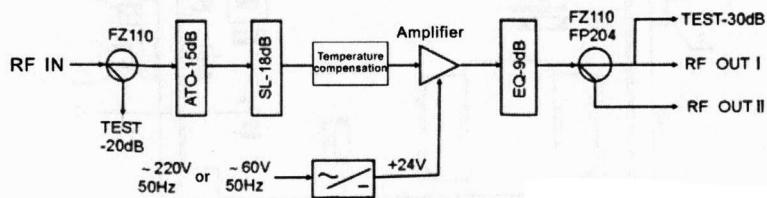
LHX-M8134A(B) High-index Trunk Amplifier Manual

It is suitable for use in multi-class trunk signal transmission to compensate or strict distributing network. It can adopt Motorola, Philip import module or homemade module. Adopt fore-and-aft double EQ, it is easy to adjust the flatness of circuit, 1 input and 2 outputs have over-current protection (fuse plug-change), Tap and splitter at output can be plug-changed freely. A high reliable linearity power and a multi-strict anti-thunder system are set. All these insure long-life and safe work.

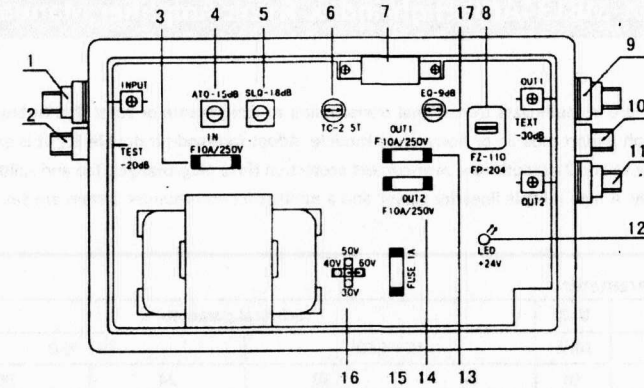
1. Performance Parameter

Item	Unit	Technical parameters			
Frequency range	MHz	45~860		45~750	
Rated gain	dB	24	30	24	30
Flatness in band	dB	±0.75			
Rated input level	dBμV	72			
Rated output level	dBμV	96	102	96	102
Gain adjust range	dB	0~15			
Slope adjust range	dB	0~24 (thereinto 9dB is fixed equalizer)			
Noise figure	dB	≥12		≤10	
C/CTB (59CH)	dB	≥60		≥64	
C/CSO (59CH)	dB	≥60		≥58	
Temperature compensation range	dB	±2.5(±30℃)			
Return loss	dB	≥14			
Thunder strike	KV	5 (10/700μS)			
Power voltage (50Hz)	V	A:~220V±10%、B:~(30-60)V			
Power consume	VA	12			
Dimension	mm	270×200×75			

2. Pane Drawing:

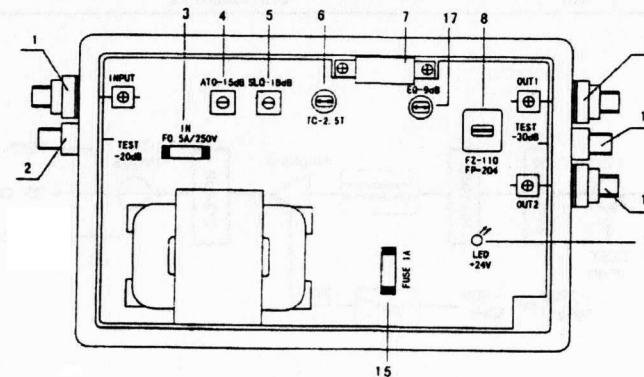


3. Product Structure:



1. Low voltage (~60/50Hz) power supply (B Style)

1. RF input
2. Input Test Port: -20 dB
3. Input over-current protection fuse 10A (pull out if no need)
4. Adjustable attenuator (use when input level too high)
5. Adjustable equalizer
6. Temperature compensate switch (arrow-head level: no temperature compensate, arrow-head apeak: temperature compensate, decrease 3dB of total gain)
7. Amplifier module
8. Output branch or distributor plug-in (optional)
9. Output 1
10. Output 1 Test Port: -30 dB
11. Output 2 (10dB or -4dB)
12. +24V power LED
13. Output 1 over-current protection fuse 10A/250V (pull out if no need)
14. Output 2 over-current protection fuse 10A/250V (pull out if no need)
15. Power supply fuse 1A/25A
16. Input voltage switch
17. Fixed equalizer (9dB) switch, arrow-head level: no equalizer, arrow-head apeak: equalizer.



2. High voltage (~220V/50Hz) power supply (A style)

- 3- Input over-current protection fuse 0.5A
- Others are same to B style (~60V).