

8F 2834 TWO-WAY AMPLIFIER

→ Features:

- The base support multi-function of amplifier;
- Use transistor push-pull circuit for the first stage of forward amplifier, low noise;
- Use GaAs hybrid power doubling module for the first stage of forward amplifier, high output level, low distortion;
- There are adjustable attenuator and at input port. There are adjustable attenuator and adjustable equalizer between first stage and second stage gain if the amplifier. User can adjust them to make amplifier work in optimum state;
- Adjustable attenuators and Adjustable equalizers are by set pads;
- Plugs-in hybrid module for reverse path amplifier;
- The base support 862MHz Frequency range;
- High efficiency switching power supply;
- Aluminum die-cast Housing, Waterproof.



→ Specification:

Parameter	Unit	Forward	Reverse
Frequency Range	MHz	54-862	5-47
Flatness	dB	±0.75	±0.5
Rated Gain	dB	34±1	20±1
FWD Input ATT		(0~10) dB 2 dB Step	
REV Output ATT		(0~10) dB 2 dB Step	
FWD EQ		(0~10) dB 2 dB Step	
FEV EQ		(0~10) dB 2 dB Step	
FWD MGC		(0~10) dB 2 dB Step	
REV MGC		(0~10) dB 2 dB Step	
Noise figure	dB Min	5	7
Output level Max. ¹	dB	126	120
Composite triple beat CTB ²	dB	70	66
Composite second order distortion CSO ²	dB	65	\
Hum modulation HM	dB	66	\
I/O Test loss	dB	-20±1.5	
I/O Return loss	dB Min.	14	
Thunder stroke-immunity		5KV (8/20 us)	
Ambient temperature		(-25~+50) °C	
Power consumption		0.25A/60VAC	
Power supply		AC (38~65) V or AC220V	
Dimensions		250mm x 200mm x 120mm	
Weight	Kg	3.5	

Note:

¹ Test by DIN45004B, one output port

² 83 channel flat, output level $V_o=104\text{dB u v}$, one output port