

I Description

AM*GF series two-way amplifier provides a true two-stage high output with superior distortion performance, along with tow high-gain independent amplifier channels in a removable motherboard module type housing.

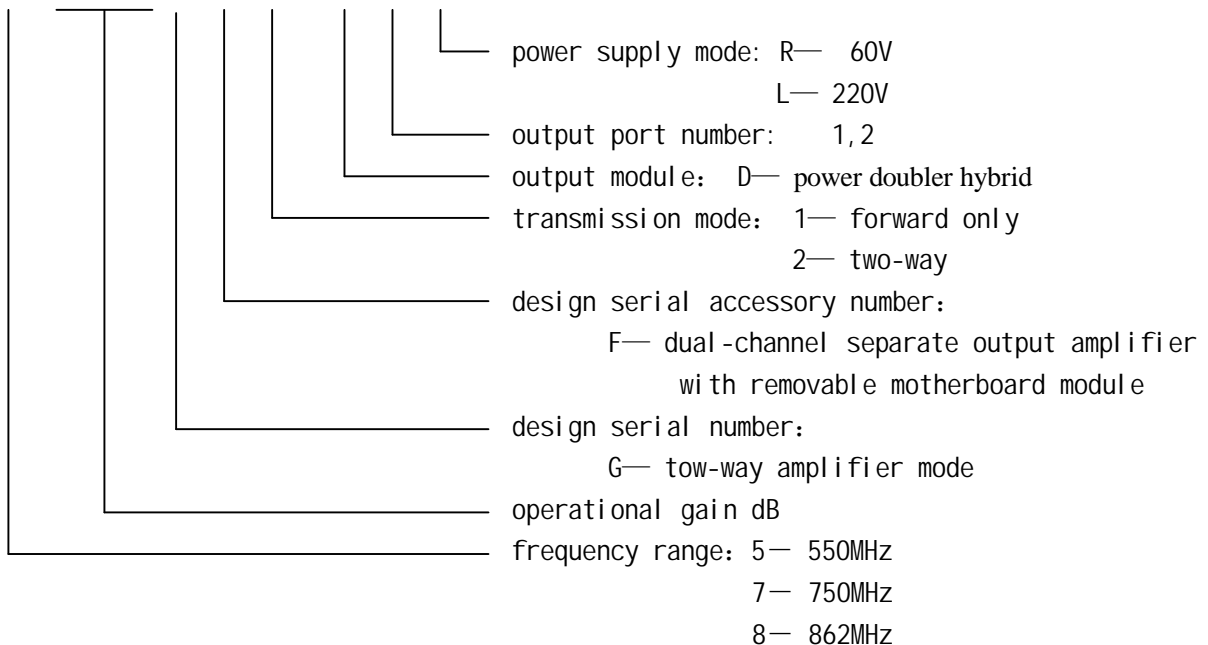


I Features

- I 870MHz bandwidth.
- I 37dB operational gain for two forward output ports.
- I output slope and level of each forward channel can be adjusted separately
- I removable motherboard module.

I Ordering Information

A M G F - D △



I Specifications

Item	Note	Unit			
		Type	1	AM833GF*-*	AM837GF*-*
Forward					
Technology type			Power doubler hybrid		
Maximum gain (two separate port)	2		33	37	dB
Frequency range			47(87) ~862		MHz
Flatness			±0.75		dB
Noise figure	3		7.5		dB
Reference output level (@50MHz/550MHz/750/862MHz)	4,5		38/ 43.5/ 46.5/ 48	38/ 43.5/ 46.5/ 48	dBmV
CTB	6		72		dB
CSO	6		69		dB
CM			73		dB
Group time delay			≤10		ns
Internal slope (Adjustable step length)			10		dB
			1.5		dB
Reverse path					
Frequency range			5~65(30)		MHz
Standard gain	4		26, 21, 16		dB
Flatness			±0.75		dB
Noise figure			7		dB
Group time delay			≤30		ns
Reference output level			37		dBmV
CTB	8		92		dB
CSO	8		82		dB
CM			84		dB
General performance					
Port return loss			16		dB
Endurable impact voltage (10/700 μs)			5		kV
Maximal AC bypass current			6		A
Hum modulation (6A)			70		dB
Test point (±1dB)			-20		dB
Standard power supply (50Hz)	7		40~60		V
Power consumption			≤38 (switching mode power supply)		W
Operation temperature range			-25~55		°C

Notes:

1. Amplifier including power supply, forward amplifier module, interstage equalizer, forward plug-in equalizer, plug-in attenuator, reverse amplifier module, reverse equalizer and reverse attenuator can be ordered.
2. Gain including duplex filter, but not including the loss of pre-equalizer or attenuator.

3. Noise figure including duplex filter loss, but no loss of pre-equalizer or attenuator and return combiner.
4. Reference output level including duplex filter loss: when one channel output, reverse gain is 20dB(25dB, 30dB); when dual -channel output, reverse gain will be 16dB(21dB, 26dB).
5. Operating level in digital channel application conditions: carrier wave level from 550 to 750MHz or 550 to 862MHz is 10dB lower than analog carrier wave level.
6. Test condition: reference output level, PAL-D 59 analogue channels and digital signal bandwidth from 200 to 312MHz.
7. AC 50Hz.
8. Test condition: reference output level, PAL 3 analogue channels.