

AM*GA two-way amplifier

Series AM*GA two-way outdoor amplifier makes use of the advantage the latest technology, and designed for HFC network. Use double amplification equilibration and interstage attenuation. Rear cascade uses GaAs module, which has high level and high output gain and good CTB and CSO value. The amplifier meets tree network structure and can be up to FTF structure, equipped with network management which gives user more facility. JL NETWORK can give you highly- performed two-way amplifier.

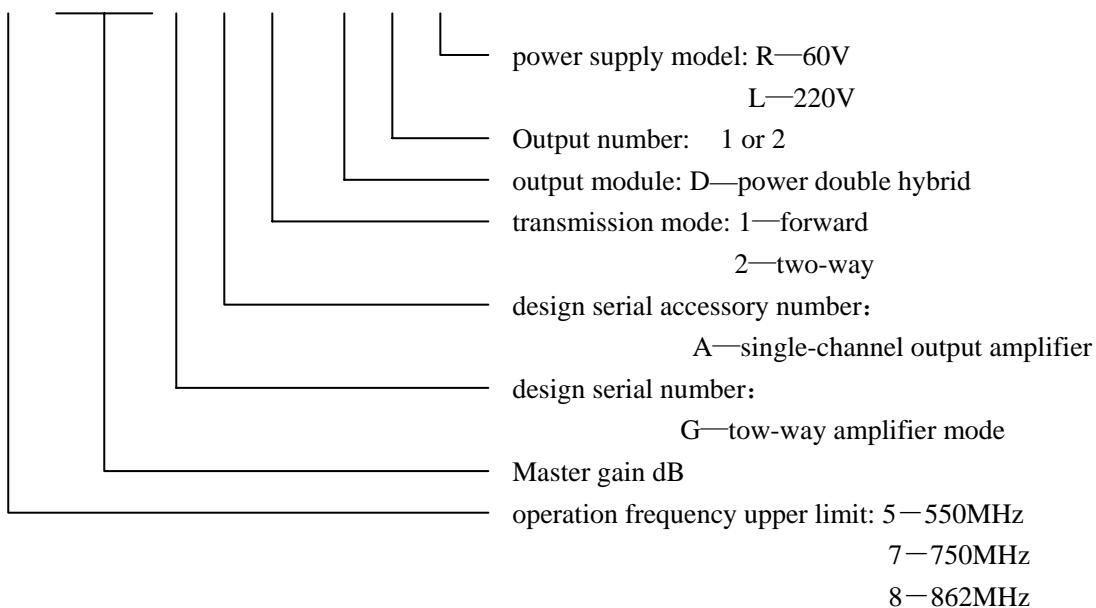


Features

- Use BGY series push pull and BGD series power double hybrid integrated circuit module for amplification. High output level and good CTB and CSO value. When using GaAs, output level is 5dB higher than normal amplifier level, CTB is 10dB better in the same output level conditions.
- Use double amplification equilibration, interstage attenuation, adjustable pre-slope, adjustable frequency and splitter or tap output for option.
- New type of aluminum-alloy die-casting water-proof housing, with large effective area of heat elimination.
- Uses newly- imported and specified plug-in units to improve reliability.
- Amplifier and splitter Module is easy to be installed and updated.
- High efficiency switching power supply or ring transformer power supply ensures reverse path performance.

Model number system

AM GA -D



Specifications

Item	Note				Unit
Model		AM826GA-D*	AM830GA-D*	AM834GA-D*	
Forward path					
Technology type		GaAs	GaAs	GaAs	
Standard gain(adjustable interstage step length@862MHz)		26	30	34	dB
Frequency range		87 (47)~862	87 (47)~862	87 (47)~862	MHz
Flatness		±0.5	±0.5	±0.5	dB
Noise ratio		8	8	8	dB
Referential output level (@50/550/750/862MHz)			38/ 43.5/ 46/ 47		dBmV
Input, output test point			-20±1		dB
CTB	1	86	86	86	dB
CSO	1	75	75	75	dB
CM	1	83	83	83	dB
Group time delay		≤10	≤10	≤10	ns
Internal slope (adjustable step length)			6~12		dB
Reverse path					
Frequency range			5~65(30)		MHz
Standard gain			25, 20, 17		dB
Flatness			±0.75		dB
Noise ratio			7		dB
Group time delay			≤30		ns
Referential output level			37		dBmV
Input test point			-20±1		dB
CTB	2	92	92	92	dB
CSO	2	82	82	82	dB
CM	2	84	84	84	dB
General performance					
Port return loss		16	16	16	dB
Out-band suppression		50	50	50	dB
endurable impact voltage(10/700 μ s)		5	5	5	kV
Maximal AC fuse		15	15	15	A
AC modulation (10A)		66	66	66	dB
Test point (±1dB)		-20	-20	-20	dB
Standard power supply (50Hz)			40~70		V
Power consumption		25 (switching power)	35 (ring transformer)		W
Operation temperature range			-25~65		℃
Dimension			320×225×110		mm
Weight			3 (switching power) 3.5 (ring transformer)		kg
Note	1. Test condition: referential output level, PAL 59 analogy channels and 200~312M digital bandwidth (-10dB).				
	2. Test condition: referential output level, PAL 3 analogy channels.				