

## AM-2 Series Two-Way Family Amplifiers



### Use:

- It is suitable for broadband communication systems as splitter.

### Features:

- 1 RF input-1, 4 or 8 RF output
- Forward RF gain stage is GaAs MMIC.
- Zn-Al alloy die-cast housing with good RFI shielding factor.
- Low noise figure.
- SAT input option.

### Specifications:

Model	AM-2-8SP		AM-2-4SP		AM-2 Forward/15		AM-2 Reverse/15	
	Forward	Reverse	Forward	Reverse	Forward	Reverse	Forward	Reverse
Frequency range(MHz)	54~1000	5~47	54~1000	5~47	54~862	5~47	54~862	5~47
Gain (dB)	4 ± 1 ①	4 ± 1	7 ± 1 ①	7 ± 1	15 ± 1 ①	-1 ± 0.5	-1 ± 0.5 ①	15 ± 1
Flatness(dB)	± 0.75 ①	± 0.5	± 0.75 ①	± 0.5	± 0.75 ①	-	-	± 0.5
Isolation between RF & DC input (dB)	100	100	100	100	100	100	100	100
I/O return loss(dB)	> 16 ①	> 16	> 16 ①	> 16	> 16 ①	> 16	> 16 ①	> 16
Noise figure(dB)	3.5	3.5	3.5	3.5	3.5	-	-	3.5
Composite second order(dBc)	-61 ②	-	-61 ②	-	-63 ②	-	-	-
Composite triple beat(dBc)	-75 ②	-	-75 ②	-	-61 ②	-	-	-
Cross-Modulation(dBc)	-74 ②	-	-74 ②	-	-61 ②	-	-	-63 ③
Group delay	< 30ns							
HUM modulation(dB)	-80							
RFI shielding(dB)	120							
Thunder stroke Immunity	5KV (5/700 μ s)							
RF signal & power supply connectors	3/8" × 32 F Type							
Number of output port	8		4		1		1	
Power supply	+5V DC/0.25A				+9V DC/0.4A		+9V DC/0.15A	
Dimensions(mm)	112 × 100 × 37		112 × 91 × 25		112 × 91 × 25		112 × 91 × 25	

Accessory: Switching Voltage adapter. (Input voltage: AC 220V 50~60Hz)

Note: ① Test frequency up to 862MHz.

② 79 channels, 750MHz, Rated input level=70dB μ V, Flat.

③ DIN45004B, 50MHz, Umax=58dBmV.