

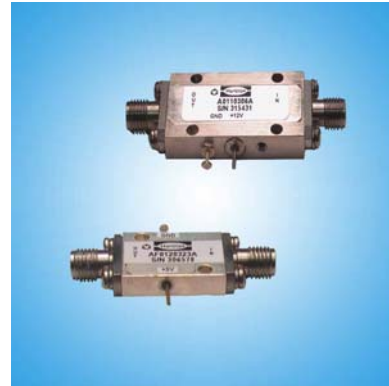


MINIATURE WIDEBAND RF AMPLIFIERS

0.5 – 10 GHz

FEATURES

- Very Wideband Frequency Coverage
- Subminiature Size for Drop-In Application
- Low Power Consumption Options
- Flat Gain Response
- Internal Regulator Circuit for Unregulated Power Supplies



APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics
- Telecom Infrastructure

ENVIRONMENTAL RATINGS

Max Input Power.....100mW
 Operating Temperature Range.....-55°C to +85°C
 Storage Temperature Range.....-65°C to +125°C
 Shock..... 50G, 11 msec
 Vibration..... 20G, 100 to 2000 Hz

Specifications: (@ +25°C)

MODEL	FREQ. RANGE (GHz)	MIN GAIN (dB)	MAX GAIN VARIATION (+/- dB)	MAX N. F. (dB)	MAX VSWR	P OUT @ 1 dB COMP (dBm)	NOM DC ¹ CURRENT @ +12V (mA)	OUTLINE
A0540164A A0540244A A0540324A	0.5 - 4.0	16 24 32	0.5 0.5 0.75	4.0	2:1	+ 15	140 180 220	2A
A1040164A A1040244A A1040324A	1.0 - 4.0	16 24 32	0.5 0.5 0.75	4.0	2:1	+ 15	140 180 220	2A
A2060163A A2060243A A2060323A	2.0 - 6.0	16 24 32	0.5 0.5 0.75	3.5	2:1	+ 15	140 180 220	1B 1B 2A
A2080153A A2080223A A2080303A	2.0 - 8.0	15 22 30	0.5 0.75 1.0	3.5	2:1	+ 15	140 180 220	1B 1B 2A
A1080154A A1080224A A1080304A	1.0 - 8.0	15 22 30	0.5 0.75 1.0	4.0	2:1	+ 15	140 180 220	2A
A0580145A A0580215A A0580285A	0.5 - 8.0	15 22 30	0.75 0.80 1.2	5.0	2:1	+15	140 180 220	2A
A3090144A A3090214A A3090284A	3.0 - 9.0	14 21 28	0.5 0.5 0.75	4.0	2:1	+ 12	120 180 200	1B 1B 2A
A2-10125A A2-10185A A2-10245A	2.0 - 10.0	12 18 24	0.75 1.0 1.25	5.5	2:1	+ 15	90 120 150	1B
A1-10126A A1-10186A A1-10246A	1.0 - 10.0	12 14 24	0.75 1.0 1.25	6.0	2:1	+ 15	90 120 150	1B
A05-10126A A05-10186A A05-10246A	0.5 - 10.0	12 18 24	0.75 1.0 1.25	6.0	2:1	+ 15	90 120 150	1B

Note 1: Options for lower bias voltage are available

For Package Outlines see Outline Drawings Page