

Ultra Wide Band Amplifiers

- 10MHz - 30GHz
- Multi-Octave Bandwidth
- Low Noise
- High IP3
- High Efficiency
- Excellent Gain Flatness



General Specifications

Impedance	50 ohms
Input / Output Connectors	SMA Female 2.92mm Female (model ABA-120300)
DC Supply	+12V
Housing Material	Aluminium or Copper
Finish	Gold or Nickel Plated
Operating Temperature	-45 to +85C
Storage Temperature	-50 to +125C

Model No	Frequency Range (GHz)	Gain (dB) min.	Gain Variation over Temp. (+/-dB) typ.	Noise Figure (dB) max.	Input VSWR max.	Output VSWR max.	Output @ 1dB GCP (dBm) min.	IP3 (dBm) typ.	Isolation (dB) typ.	Current mA typ.
ABA-0005200	0.05-20.0	24	0.8	3.9	1.8	2.0	23	38	60	350
ABA-0001030	0.01-3.0	32	2.0	2.5	2.0	2.0	22	32	60	250
ABA-001030	0.1-3.0	31	1.2	2.2	1.7	1.8	23	32	65	250
ABA-001100A	0.1-10.0	27	1.5	3.0	2.5	2.5	23	38	65	400
ABA-001100B	0.1-10.0	23	1.0	2.0	2.2	2.2	25	35	65	350
ABA-001200A	0.1-20.0	26	0.8	3.5	2.2	1.8	12	26	60	160
ABA-001200B	0.1-20.0	24	3.0	3.5	2.5	2.5	23	33	60	350
ABA-005060	0.5-6.0	31	2.0	3.2	2.2	2.2	23.5	33	64	300
ABA-010200	1.0-20.0	26	2.0	3.5	2.0	2.0	12	24	50	160
ABA-060180	6.0-18.0	30	0.8	2.4	2.0	1.8	27	38	60	450
ABA-120300	12.0-30.0	30	0.8	3.2	2.0	2.0	20	36	60	400

Note: Heat sinking is required during operation.

For full specifications and outline drawings please consult the factory.

We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.

Passive Components