

Amplifiers



Coaxial

Broadband Limiting Amplifiers 0.5 to 18GHz

P/N	Freq. Range (GHz)	Input Power Range (dBm)	Noise Figure (dB) Max	Saturated Pout (dBm)	Flatness (dB) Max	VSWR Max	Current +12V (mA) Typ	Case
MA0520N2510A	0.5 - 2.0	-25 - +10	5.0	17/22	± 1.5	2:1	300	6I
MA0520N3005A	0.5 - 2.0	-30 - +5	5.0	17/22	± 1.5	2:1	300	6I
MA0520N3010A	0.5 - 2.0	-30 - +10	5.0	17/22	± 1.8	2:1	300	6I
MA0520N3505A	0.5 - 2.0	-35 - +5	5.0	17/22	± 1.5	2:1	300	6I
MA0520N3510A	0.5 - 2.0	-35 - +10	5.0	17/22	± 1.8	2:1	300	6I
MA0520N2510B	0.5 - 2.0	-25 - +10	5.0	17/22	± 1.8	2:1	350	6I
MA0520N3005B	0.5 - 2.0	-30 - +5	5.0	17/22	± 1.8	2:1	350	6I
MA0520N3010B	0.5 - 2.0	-30 - +10	5.0	17/22	± 1.8	2:1	350	6I
MA0520N3505B	0.5 - 2.0	-35 - +5	5.0	17/22	± 1.8	2:1	350	6I
MA0520N3510B	0.5 - 2.0	-35 - +10	5.0	17/22	± 1.8	2:1	350	6I
MA2040N2510A	2.0 - 4.0	-25 - +10	5.0	17/22	± 1.8	2:1	300	6I
MA2040N3005A	2.0 - 4.0	-30 - +5	5.0	17/22	± 1.8	2:1	300	6I
MA2040N3010A	2.0 - 4.0	-30 - +10	5.0	17/22	± 1.8	2:1	300	6I
MA2040N3505A	2.0 - 4.0	-35 - +5	5.0	17/22	± 1.8	2:1	300	6I
MA2040N3510A	2.0 - 4.0	-35 - +10	5.0	17/22	± 1.8	2:1	300	6I
MA2040N2510B	2.0 - 4.0	-25 - +10	5.0	17/22	± 1.8	2:1	350	6I
MA2040N3005B	2.0 - 4.0	-30 - +5	5.0	17/22	± 1.8	2:1	350	6I
MA2040N3010B	2.0 - 4.0	-30 - +10	5.0	17/22	± 1.8	2:1	350	6I
MA2040N3505B	2.0 - 4.0	-35 - +5	5.0	17/22	± 1.8	2:1	350	6I
MA2040N3510B	2.0 - 4.0	-35 - +10	5.0	17/22	± 1.8	2:1	350	6I
MA2060N2510A	2.0 - 6.0	-25 - +10	5.0	17/22	± 1.8	2:1	300	6I
MA2060N3005A	2.0 - 6.0	-30 - +5	5.0	17/22	± 1.8	2:1	300	6I
MA2060N3010A	2.0 - 6.0	-30 - +10	5.0	17/22	± 1.8	2:1	300	6I
MA2060N3505A	2.0 - 6.0	-35 - +5	5.0	17/22	± 1.8	2:1	300	6I
MA2060N3510A	2.0 - 6.0	-35 - +10	5.0	17/22	± 1.8	2:1	300	6I
MA2060N2510B	2.0 - 6.0	-25 - +10	5.0	17/22	± 1.8	2:1	350	6I
MA2060N3005B	2.0 - 6.0	-30 - +5	5.0	17/22	± 1.8	2:1	350	6I
MA2060N3010B	2.0 - 6.0	-30 - +10	5.0	17/22	± 1.8	2:1	350	6I
MA2060N3505B	2.0 - 6.0	-35 - +5	5.0	17/22	± 1.8	2:1	350	6I
MA2060N3510B	2.0 - 6.0	-35 - +10	5.0	17/22	± 1.8	2:1	350	6I
MA2080N2510A	2.0 - 8.0	-25 - +10	6.0	17/22	± 1.8	2:1	300	6I
MA2080N3005A	2.0 - 8.0	-30 - +5	6.0	17/22	± 1.8	2:1	300	6I
MA2080N3010A	2.0 - 8.0	-30 - +10	6.0	17/22	± 1.8	2:1	300	6I
MA2080N3505A	2.0 - 8.0	-35 - +5	6.0	17/22	± 1.8	2:1	300	6I
MA2080N3510A	2.0 - 8.0	-35 - +10	6.0	17/22	± 1.8	2:1	300	6I
MA2080N2510B	2.0 - 8.0	-25 - +10	6.0	12/17	± 1.8	2:1	350	6I
MA2080N3005B	2.0 - 8.0	-30 - +5	6.0	12/17	± 1.8	2:1	350	6I
MA2080N3010B	2.0 - 8.0	-30 - +10	6.0	12/17	± 1.8	2:1	350	6I
MA2080N3505B	2.0 - 8.0	-35 - +5	6.0	12/17	± 1.8	2:1	350	6I
MA2080N3510B	2.0 - 8.0	-35 - +10	6.0	12/17	± 1.8	2:1	350	6I
MA6018N2510A	6.0 - 18.0	-25 - +10	6.0	17/22	± 1.8	2:1	400	8I 46
MA6018N3005A	6.0 - 18.0	-30 - +5	6.0	17/22	± 1.8	2:1	450	8I 46
MA6018N3010A	6.0 - 18.0	-30 - +10	6.0	17/22	± 1.8	2:1	450	8I 46

Amplifiers



Coaxial

Broadband Limiting Amplifiers 0.5 to 18GHz

Continued

P/N	Freq. Range (GHz)	Input Power Range (dBm)	Noise Figure (dB) Max	Saturated Pout (dBm)	Flatness (dB) Max	VSWR Max	Current +12V (mA) Typ	Case
MA6018N3505A	6.0 - 18.0	-35 - +5	6.0	17/22	± 1.8	2:1	450	8I 46
MA6018N3510A	6.0 - 18.0	-35 - +10	6.0	17/22	± 1.8	2:1	450	8I 46
MA6018N2510B	6.0 - 18.0	-25 - +10	6.0	12/17	± 1.8	2:1	400	8I 46
MA6018N3005B	6.0 - 18.0	-30 - +5	6.0	12/17	± 1.8	2:1	450	8I 46
MA6018N3010B	6.0 - 18.0	-30 - +10	6.0	12/17	± 1.8	2:1	450	8I 46
MA6018N3505B	6.0 - 18.0	-35 - +5	6.0	12/17	± 1.8	2:1	450	8I 46
MA6018N3510B	6.0 - 18.0	-35 - +10	6.0	12/17	± 1.8	2:1	450	8I 46
MA6018N2510C	6.0 - 18.0	-25 - +10	6.0	8/13	± 1.8	2:1	400	8I 46
MA6018N3005C	6.0 - 18.0	-30 - +5	6.0	8/13	± 1.8	2:1	450	8I 46
MA6018N3010C	6.0 - 18.0	-30 - +10	6.0	8/13	± 1.8	2:1	450	8I 46
MA6018N3505C	6.0 - 18.0	-35 - +5	6.0	8/13	± 1.8	2:1	450	8I 46
MA6018N3510C	6.0 - 18.0	-35 - +10	6.0	8/13	± 1.8	2:1	450	8I 46
MA8012N2510A	8.0 - 12.0	-25 - +10	6.0	17/22	± 1.8	2:1	350	8I 46
MA8012N3005A	8.0 - 12.0	-30 - +5	6.0	17/22	± 1.8	2:1	400	8I 46
MA8012N3010A	8.0 - 12.0	-30 - +10	6.0	17/22	± 1.8	2:1	400	8I 46
MA8012N3505A	8.0 - 12.0	-35 - +5	6.0	17/22	± 1.8	2:1	400	8I 46
MA8012N3510A	8.0 - 12.0	-35 - +10	6.0	17/22	± 1.8	2:1	400	8I 46
MA8012N2510B	8.0 - 12.0	-25 - +10	6.0	12/17	± 1.8	2:1	400	8I 46
MA8012N3005B	8.0 - 12.0	-30 - +5	6.0	12/17	± 1.8	2:1	450	8I 46
MA8012N3010B	8.0 - 12.0	-30 - +10	6.0	12/17	± 1.8	2:1	450	8I 46
MA8012N3505B	8.0 - 12.0	-35 - +5	6.0	12/17	± 1.8	2:1	450	8I 46
MA8012N3510B	8.0 - 12.0	-35 - +10	6.0	12/17	± 1.8	2:1	450	8I 46
MA8012N2510C	8.0 - 12.0	-25 - +10	6.0	8/13	± 1.8	2:1	400	8I 46
MA8012N3005C	8.0 - 12.0	-30 - +5	6.0	8/13	± 1.8	2:1	450	8I 46
MA8012N3010C	8.0 - 12.0	-30 - +10	6.0	8/13	± 1.8	2:1	450	8I 46
MA8012N3505C	8.0 - 12.0	-35 - +5	6.0	8/13	± 1.8	2:1	450	8I 46
MA8012N3510C	8.0 - 12.0	-35 - +10	6.0	8/13	± 1.8	2:1	450	8I 46
MA8018N2510A	8.0 - 18.0	-25 - +10	6.0	17/22	± 1.8	2:1	400	8I 46
MA8018N3005A	8.0 - 18.0	-30 - +5	6.0	17/22	± 1.8	2:1	450	8I 46
MA8018N3010A	8.0 - 18.0	-30 - +10	6.0	17/22	± 1.8	2:1	450	8I 46
MA8018N3505A	8.0 - 18.0	-35 - +5	6.0	17/22	± 1.8	2:1	450	8I 46
MA8018N3510A	8.0 - 18.0	-35 - +10	6.0	17/22	± 1.8	2:1	450	8I 46
MA8018N2510B	8.0 - 18.0	-25 - +10	6.0	12/17	± 1.8	2:1	400	8I 46
MA8018N3005B	8.0 - 18.0	-30 - +5	6.0	12/17	± 1.8	2:1	450	8I 46
MA8018N3010B	8.0 - 18.0	-30 - +10	6.0	12/17	± 1.8	2:1	450	8I 46
MA8018N3505B	8.0 - 18.0	-35 - +5	6.0	12/17	± 1.8	2:1	450	8I 46
MA8018N3510B	8.0 - 18.0	-35 - +10	6.0	12/17	± 1.8	2:1	450	8I 46
MA8018N2510C	8.0 - 18.0	-25 - +10	6.0	8/13	± 1.8	2:1	400	8I 46
MA8018N3005C	8.0 - 18.0	-30 - +5	6.0	8/13	± 1.8	2:1	450	8I 46
MA8018N3010C	8.0 - 18.0	-30 - +10	6.0	8/13	± 1.8	2:1	450	8I 46
MA8018N3505C	8.0 - 18.0	-35 - +5	6.0	8/13	± 1.8	2:1	450	8I 46
MA8018N3510C	8.0 - 18.0	-35 - +10	6.0	8/13	± 1.8	2:1	450	8I 46
MA8018N4005	8.0 - 18.0	-40 - +5	6.0	12/17	± 1.8	2:1	300	8L

Amplifiers



Coaxial

Broadband Limiting Amplifiers 0.5 to 18GHz

Continued

P/N	Freq. Range (GHz)	Input Power Range (dBm)	Noise Figure (dB) Max	Saturated Pout (dBm)	Flatness (dB) Max	VSWR Max	Current +12V (mA) Typ	Case
MA8018N4010	8.0 - 18.0	-40 - +10	6.0	8/13	± 1.8	2:1	250	8L
MA8018N5005	8.0 - 18.0	-50 - +5	6.0	12/17	± 1.8	2:1	400	8L
MA8018N5010	8.0 - 18.0	-50 - +10	6.0	8/13	± 1.8	2:1	350	8L

Notes:

1. Operating Temperature: -55 °C to +85 °C. Storage Temperature: -60 °C to +90 °C.
2. All products have built-in voltage regulators, which can operate from +10V to +18VDC.
3. Many kinds of cases are in stock; such as 08,10,46,55 and so on, special housings are available.
4. Connectors for MH case are detachable, insulator input and output after removal of connectors.
5. Maximum input power level is 20dBm for CW, or 30dBm for pulse with 1 μ s PW and 1% duty cycle.
6. Custom Design Available