



W-band Products

Low Noise Amplifiers

| Part         | Description               | Frequency (GHz) | Gain (dB) | NF (dB) | P1dB (dBm) | Availability   |
|--------------|---------------------------|-----------------|-----------|---------|------------|----------------|
| ALH394       | HEMT Low Noise Amplifier  | 92 to 96        | 17        | 5       | 5          | Stock          |
| ALH497 (-LN) | HEMT Low Noise Amplifier  | 80 to 100       | 17        | 4.2     | 0          | Pre-production |
| ALH497 (-GB) | HEMT Gain Block Amplifier | 80 to 100       | 17        | 4.9     | 0          | Pre-production |
| ALH503 (-LN) | HEMT Low Noise Amplifier  | 80 to 100       | 16        | 4.2     | 0          | Pre-production |
| ALH503 (-GB) | HEMT Gain Block Amplifier | 80 to 100       | 16        | 4.9     | 0          | Pre-production |
| ALH504 (-LN) | HEMT Low Noise Amplifier  | 82 to 102       | 18        | 4.1     | 3          | Pre-production |
| ALH504 (-GB) | HEMT Gain Block Amplifier | 82 to 102       | 18        | 4.8     | 3          | Pre-production |

Power Amplifiers

| Part   | Description               | Frequency (GHz) | Gain (dB) | Output Power (dBm) P1dB | Sat | Availability   |
|--------|---------------------------|-----------------|-----------|-------------------------|-----|----------------|
| APH484 | HEMT High Power Amplifier | 93 to 95        | 10        | 21                      | 23  | Stock          |
| APH631 | HEMT Power Amplifier      | 92 to 96        | 23        | 15                      | 18  | Pre-production |
| APH635 | HEMT Power Amplifier      | 92 to 96        | 14        | TBD                     | 22  | Eng. Samples   |

Mixers

| Part   | Description               | RF Freq (GHz) | LO Freq (GHz) | IF Freq (GHz) | CL (dB) | Availability   |
|--------|---------------------------|---------------|---------------|---------------|---------|----------------|
| MBH100 | HEMT Schottky Diode Mixer | 91 to 99      | 91 to 99      | dc to 3       | 11.5    | Pre-production |

Multipliers and Switches

| Part   | Description        | Freq Out (GHz) | Freq In (GHz) | RF Input (dBm) | CG/CL/IL (dB) | Availability   |
|--------|--------------------|----------------|---------------|----------------|---------------|----------------|
| XDH150 | HEMT X2 Multiplier | 92 to 96       | 46 to 48      | -5             | 5/CG          | Pre-production |

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