



## 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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