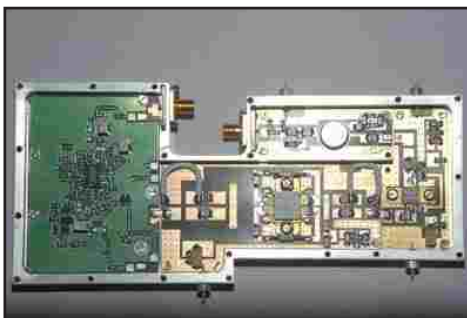


# Power Amplifiers

Speck offers various CW and Pulsed Power amplifiers depending on the type of application. Further depending upon their output level they are classified as Low Power Amplifiers, Medium Power Amplifiers and High Power Amplifiers. With the advancement of microwave integrated circuit technology and the GaAsFET device technology today highly compact, high performance, low noise power amplifiers can be realized.

The parameters that characterize the overall performance of an amplifier are gain, noise figure, gain flatness, output power at 1dB gain compression point, input / output VSWR, saturation output power, third order intercept point, dynamic range etc.



Freq. Range (MHz)	Power O/P (W)	Gain (dB)	DC Input (V)	Class of Operation	Mode of Operation
1.5 - 30	1000	42	50	AB	CW
100-156	100	38	28	AB	CW
10-100	200	48	28	AB	CW
20-500	1000	50	28	AB	CW
135-175	200	45	28	AB	CW
225-400	200	52	28	AB	CW
250-500	500	53	28	AB	CW
49-59	100	60	50/28	AB	Pulsed
300-350	400	35	28	AB	Pulsed
500-1000	1000	45	28	AB	CW
1200-1400	350	30	50/28	C	Pulsed

