

Locus Microwave can provide microwave low noise amplifiers with extremely high performance. As a company who specializes in providing products specifically designed to customer requirements, it is difficult to develop published specifications showing our customers the products we can supply. The information below is provided as an aid and starting point for our customers so they can help us to understand their needs. There are many possibilities. We look forward to helping you solve your microwave component problem.

Operating Freq. (GHz)	Gain (dB, min)	Gain Flatness (+/- dB, max)	Noise Temp. (K max)	P1dB (dBm, min)	VSWR In/Out (max)	Voltage (VDC)
<b>L/S Band Series</b>						
1.525-1.600	30/45/60	0.5	28/30	10	1.30:1/1.30:1	12
2.100-2.200	30/45/60	0.5	28/30	10	1.30:1/1.30:1	12
2.300-2.600	30/45/60	0.5	28/30	10	1.30:1/1.30:1	12
2.900-3.100	30/45/60	0.5	28/30	10	1.30:1/1.30:1	12
<b>C Band Series</b>						
3.625-4.200	40/50/60	0.5	28/30	10	1.25:1/1.50:1	12
3.400-4.200	40/50/60	0.5	30/35	10	1.30:1/1.50:1	12
4.400-5.100	40/50/60	0.5	35/40	10	1.50:1/1.50:1	12
4.500-4.800	40/50/60	0.5	35/40	10	1.30:1/1.50:1	12
5.000-5.300	40/50/60	0.5	35/40	10	1.50:1/1.50:1	12
5.400-5.900	40/50/60	0.5	35/40	10	1.50:1/1.50:1	12
5.850-6.425	40/50/60	0.5	35/40	10	1.50:1/1.50:1	12
<b>X Band Series</b>						
7.250-7.750	40/50/60	0.5	40/45	10	1.25:1/1.50:1	12
7.900-8.400	40/50/60	0.5	40/45	10	1.30:1/1.50:1	12
9.500-10.000	40/50/60	0.5	55/60	10	1.30:1/1.50:1	12
<b>Ku Band Series</b>						
10.700-11.700	40/50/60	1.0	55/60	10	1.25:1/1.50:1	12
10.950-12.750	40/50/60	1.0	60/65	10	1.25:1/1.50:1	12
12.700-13.250	40/50/60	1.0	65/70	10	1.30:1/1.50:1	12
14.000-14.500	40/50/60	1.0	70/75	10	1.30:1/1.50:1	12
<b>K-Ka Band Series</b>						
17.100-18.300	30/40/50	1.0	100/110/120	10	1.50:1/1.50:1	12
17.800-19.700	30/40/50	1.0	100/110/120	10	1.50:1/1.50:1	12
19.300-21.200	30/40/50	1.0	110/120	10	1.50:1/1.50:1	12

### Common Options:

- Custom frequency bands, gain, VSWR etc.
- Connector styles (N, SMA, WG, etc.)
- DC connector styles (RFI, MS type, etc.)
- P<sub>1dB</sub> to 23 dBm (frequency dependent)
- Temperature compensation of Gain
- Custom physical configurations
- Cooled operation for improved performance
- Imbedded filtering
- Fault alarms
- Operating voltages (+24V, -24V, AC, etc.)