

12.2 - 12.8GHz AMPLIFIERS
Uncompensated **MLA 2561-000 Series**
Temperature Compensated **MLA 2661-000 Series**

UNCOMPENSATED SPECIFICATIONS (guaranteed @ +25°C)

Frequency Range (GHz)	Output Power at 1dB Gain Comp (dBm) Min.	Gain (dB) Min.	Gain Flatness (dB) Max.	Gain Variation with Temp (dB/°C) Max.	Noise Figure (dB) Max.	Input and Output VSWR Max.	DC Current at +15V (mA)	Package Styles	Part Number
12.2 - 12.8	+12	13	±0.30	0.024	2.5	1.8	100	A1, A2	MLA 2561-101
		20	±0.40	0.036	2.5	1.8	150	A1, A2	MLA 2561-102
		33	±0.50	0.060	2.5	1.8	250	B1, B2	MLA 2561-103
		40	±0.50	0.072	2.5	1.8	300	C1, C2	MLA 2561-104
	+18	11	±0.30	0.024	6.0	1.6	150	A1, A2	MLA 2561-201
		18	±0.40	0.036	5.0	1.6	200	A1, A2	MLA 2561-202
		31	±0.50	0.060	5.0	1.6	300	B1, B2	MLA 2561-203
		38	±0.50	0.072	5.0	1.6	400	C1, C2	MLA 2561-204
	+21	10	±0.40	0.024	7.0	1.6	200	A1, A2	MLA 2561-301
		17	±0.50	0.036	6.0	1.6	250	A1, A2	MLA 2561-302
		30	±0.50	0.060	5.0	1.6	350	B1, B2	MLA 2561-303
		37	±0.50	0.072	5.0	1.6	450	C1, C2	MLA 2561-304
	+26	9	±0.40	0.024	8.0	1.8	250	A1, A2	MLA 2561-401
		16	±0.50	0.036	7.0	1.8	300	A1, A2	MLA 2561-402
		29	±0.50	0.060	6.0	1.8	400	B1, B2	MLA 2561-403
		36	±0.50	0.072	5.5	1.8	500	C1, C2	MLA 2561-404

TEMPERATURE COMPENSATED SPECIFICATIONS (guaranteed -55°C to +95°C)

Frequency Range (GHz)	Output Power at 1dB Gain Comp (dBm) Min.	Gain (dB) Min.	Gain Flatness (dB) Max.	Gain Variation with Temp (dB) Max.	Noise Figure (dB) Max.	Input and Output VSWR Max.	DC Current at +15V (mA)	Package Styles	Part Number
12.2 - 12.8	+12	11	±0.40	±0.50	3.5	1.8	100	A1, A2	MLA 2661-101
		17	±0.50	±1.00	3.5	1.8	150	B1, B2	MLA 2661-102
		29	±0.50	±1.50	3.5	1.8	250	C1, C2	MLA 2661-103
		40	±0.50	±2.00	3.5	1.8	300	C1, C2	MLA 2661-104
	+18	9	±0.40	±0.50	8.0	1.6	150	A1, A2	MLA 2661-201
		14	±0.50	±1.00	7.0	1.6	200	B1, B2	MLA 2661-202
		25	±0.50	±1.50	6.0	1.6	300	C1, C2	MLA 2661-203
		36	±0.50	±2.00	6.0	1.6	400	C1, C2	MLA 2661-204
	+21	8	±0.40	±0.50	9.0	1.6	200	A1, A2	MLA 2661-301
		13	±0.50	±1.00	8.0	1.6	250	B1, B2	MLA 2661-302
		24	±0.50	±1.50	7.0	1.6	350	C1, C2	MLA 2661-303
		35	±0.50	±2.00	6.0	1.6	450	C1, C2	MLA 2661-304
	+26	7	±0.40	±0.50	10.0	1.8	250	A1, A2	MLA 2661-401
		12	±0.50	±1.00	9.0	1.8	300	B1, B2	MLA 2661-402
		23	±0.50	±1.50	8.0	1.8	400	C1, C2	MLA 2661-403
		34	±0.50	±2.00	7.0	1.8	500	C1, C2	MLA 2661-404