

**14.0 - 14.5GHz AMPLIFIERS**  
**Uncompensated**      **MLA 2564-000 Series**  
**Temperature Compensated**      **MLA 2664-000 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)	Noise Figure (dB) Max.	Input and Output VSWR Max.	DC Current at +15V (mA)	Package Styles	Part Number
14.0 - 14.5	+12	13	±0.30	0.024	2.5	1.8	100	A1, A2	MLA 2564-101
		20	±0.40	0.036	2.5	1.8	150	A1, A2	MLA 2564-102
		33	±0.50	0.060	2.5	1.8	250	B1, B2	MLA 2564-103
		40	±0.50	0.072	2.5	1.8	300	C1, C2	MLA 2564-104
	+18	11	±0.30	0.024	6.0	1.6	150	A1, A2	MLA 2564-201
		18	±0.40	0.036	5.0	1.6	200	A1, A2	MLA 2564-202
		31	±0.50	0.060	5.0	1.6	300	B1, B2	MLA 2564-203
		38	±0.50	0.072	5.0	1.6	400	C1, C2	MLA 2564-204
	+21	10	±0.40	0.024	7.0	1.6	200	A1, A2	MLA 2564-301
		17	±0.50	0.036	6.0	1.6	250	A1, A2	MLA 2564-302
		30	±0.50	0.060	5.0	1.6	350	B1, B2	MLA 2564-303
		37	±0.50	0.072	5.0	1.6	450	C1, C2	MLA 2564-304
	+26	9	±0.40	0.024	8.0	1.8	250	A1, A2	MLA 2564-401
		16	±0.50	0.036	7.0	1.8	300	A1, A2	MLA 2564-402
		29	±0.50	0.060	6.0	1.8	400	B1, B2	MLA 2564-403
		36	±0.50	0.072	5.5	1.8	500	C1, C2	MLA 2564-404

**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
14.0 - 14.5	+12	11	±0.40	±0.50	3.5	1.8	100	A1, A2	MLA 2664-101
		17	±0.50	±1.00	3.5	1.8	150	B1, B2	MLA 2664-102
		29	±0.50	±1.50	3.5	1.8	250	C1, C2	MLA 2664-103
		40	±0.50	±2.00	3.5	1.8	300	C1, C2	MLA 2664-104
	+18	9	±0.40	±0.50	8.0	1.6	150	A1, A2	MLA 2664-201
		14	±0.50	±1.00	7.0	1.6	200	B1, B2	MLA 2664-202
		25	±0.50	±1.50	6.0	1.6	300	C1, C2	MLA 2664-203
		36	±0.50	±2.00	6.0	1.6	400	C1, C2	MLA 2664-204
	+21	8	±0.40	±0.50	9.0	1.6	200	A1, A2	MLA 2664-301
		13	±0.50	±1.00	8.0	1.6	250	B1, B2	MLA 2664-302
		24	±0.50	±1.50	7.0	1.6	350	C1, C2	MLA 2664-303
		35	±0.50	±2.00	6.0	1.6	450	C1, C2	MLA 2664-304
	+26	7	±0.40	±0.50	10.0	1.8	250	A1, A2	MLA 2664-401
		12	±0.50	±1.00	9.0	1.8	300	B1, B2	MLA 2664-402
		23	±0.50	±1.50	8.0	1.8	400	C1, C2	MLA 2664-403
		34	±0.50	±2.00	7.0	1.8	500	C1, C2	MLA 2664-404

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