

7.9 - 8.4GHz AMPLIFIERS
Uncompensated **MLA 2554-000 Series**
Temperature Compensated **MLA 2654-000 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
7.9 - 8.4	+12	10	±0.30	0.012	1.5	1.8	80	A1, A2	MLA 2554-101
		20	±0.40	0.024	1.5	1.8	160	A1, A2	MLA 2554-102
		30	±0.50	0.036	1.5	1.8	240	B1, B2	MLA 2554-103
		40	±0.50	0.050	1.5	1.8	320	B1, B2	MLA 2554-104
	+18	10	±0.30	0.012	4.0	1.6	100	A1, A2	MLA 2554-201
		20	±0.40	0.024	4.0	1.6	180	A1, A2	MLA 2554-202
		30	±0.50	0.036	4.0	1.6	260	B1, B2	MLA 2554-203
		40	±0.50	0.050	4.0	1.6	340	B1, B2	MLA 2554-204
	+21	10	±0.30	0.012	5.0	1.6	120	A1, A2	MLA 2554-301
		20	±0.40	0.024	4.0	1.6	220	A1, A2	MLA 2554-302
		30	±0.50	0.036	4.0	1.6	300	B1, B2	MLA 2554-303
		40	±0.50	0.050	4.0	1.6	380	B1, B2	MLA 2554-304
	+26	8	±0.30	0.012	6.0	1.8	280	A1, A2	MLA 2554-401
		18	±0.40	0.024	5.0	1.8	400	A1, A2	MLA 2554-402
		28	±0.50	0.036	4.0	1.8	480	B1, B2	MLA 2554-403
		38	±0.50	0.050	4.0	1.8	560	B1, B2	MLA 2554-404
	+29	7	±0.50	0.012	8.0	1.8	400	A1, A2	MLA 2554-501
		16	±0.75	0.024	6.0	1.8	600	A1, A2	MLA 2554-502
		26	±1.00	0.036	5.0	1.8	700	B1, B2	MLA 2554-503
		36	±1.00	0.050	4.0	1.8	800	B1, B2	MLA 2554-504

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/°C) Max.	Noise Figure (dB) Max.	Input and Output VSWR Max.	DC Current at +15V (mA)	Package Styles	Part Number
7.9 - 8.4	+12	8	±0.30	±0.50	2.5	1.8	80	A1, A2	MLA 2654-101
		17	±0.40	±0.75	2.5	1.8	160	A1, A2	MLA 2654-102
		26	±0.50	±1.00	2.5	1.8	240	B1, B2	MLA 2654-103
		35	±0.50	±1.50	2.5	1.8	320	B1, B2	MLA 2654-104
	+18	8	±0.30	±0.50	6.0	1.6	100	A1, A2	MLA 2654-201
		17	±0.40	±0.75	5.0	1.6	180	A1, A2	MLA 2654-202
		26	±0.50	±1.00	5.0	1.6	260	B1, B2	MLA 2654-203
		35	±0.50	±1.50	5.0	1.6	340	B1, B2	MLA 2654-204
	+21	7	±0.30	±0.50	7.0	1.6	120	A1, A2	MLA 2654-301
		16	±0.40	±0.75	6.0	1.6	220	A1, A2	MLA 2654-302
		25	±0.50	±1.00	5.0	1.6	300	B1, B2	MLA 2654-303
		34	±0.50	±1.50	5.0	1.6	380	B1, B2	MLA 2654-304
	+26	6	±0.30	±0.50	8.0	1.8	280	A1, A2	MLA 2654-401
		15	±0.40	±0.75	7.0	1.8	400	A1, A2	MLA 2654-402
		24	±0.50	±1.00	6.0	1.8	480	B1, B2	MLA 2654-403
		33	±0.50	±1.50	5.0	1.8	560	B1, B2	MLA 2654-404
	+29	5	±0.50	±0.50	9.0	1.8	400	A1, A2	MLA 2654-501
		14	±0.75	±0.75	7.0	1.8	600	A1, A2	MLA 2654-502
		22	±1.00	±1.00	6.0	1.8	700	B1, B2	MLA 2654-503
		30	±1.00	±1.50	5.0	1.8	800	B1, B2	MLA 2654-504

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