

5.0 - 5.5GHz AMPLIFIERS
Uncompensated **MLA 2548-000 Series**
Temperature Compensated **MLA 2648-000 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
5.0 - 5.5	+12	11	±0.30	0.012	1.5	1.8	80	A1, A3	MLA 2548-101
		22	±0.40	0.024	1.5	1.8	160	A1, A3	MLA 2548-102
		33	±0.50	0.036	1.5	1.8	240	B1, B3	MLA 2548-103
		44	±0.50	0.050	1.5	1.8	320	B1, B3	MLA 2548-104
	+18	10	±0.30	0.012	4.0	1.6	100	A1, A3	MLA 2548-201
		20	±0.40	0.024	3.0	1.6	180	A1, A3	MLA 2548-202
		30	±0.50	0.036	3.0	1.6	260	B1, B3	MLA 2548-203
		40	±0.50	0.050	3.0	1.6	340	B1, B3	MLA 2548-204
	+21	9	±0.40	0.012	5.0	1.6	120	A1, A3	MLA 2548-301
		19	±0.50	0.024	4.0	1.6	220	A1, A3	MLA 2548-302
		29	±0.50	0.036	3.0	1.6	300	B1, B3	MLA 2548-303
		39	±0.50	0.050	3.0	1.6	380	B1, B3	MLA 2548-304
	+26	8	±0.40	0.012	6.0	1.8	200	A1, A3	MLA 2548-401
		17	±0.50	0.024	5.0	1.8	320	A1, A3	MLA 2548-402
		27	±0.50	0.036	4.0	1.8	420	B1, B3	MLA 2548-403
		37	±0.50	0.050	3.0	1.8	500	B1, B3	MLA 2548-404
	+29	7	±0.50	0.012	7.0	1.8	400	A1, A3	MLA 2548-501
		16	±0.75	0.024	6.0	1.8	600	A1, A3	MLA 2548-502
		26	±1.00	0.036	5.0	1.8	700	B1, B3	MLA 2548-503
		36	±1.00	0.050	4.0	1.8	800	B1, B3	MLA 2548-504

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
5.0 - 5.5	+12	9	±0.40	±0.50	2.5	1.8	80	A1, A3	MLA 2648-101
		18	±0.50	±0.75	2.5	1.8	160	A1, A3	MLA 2648-102
		27	±0.50	±1.00	2.5	1.8	240	B1, B3	MLA 2648-103
		36	±0.50	±1.50	2.5	1.8	320	B1, B3	MLA 2648-104
	+18	8	±0.40	±0.50	5.0	1.6	100	A1, A3	MLA 2648-201
		17	±0.50	±0.75	4.0	1.6	180	A1, A3	MLA 2648-202
		26	±0.50	±1.00	4.0	1.6	260	B1, B3	MLA 2648-203
		35	±0.50	±1.50	4.0	1.6	340	B1, B3	MLA 2648-204
	+21	8	±0.40	±0.50	6.0	1.6	120	A1, A3	MLA 2648-301
		17	±0.50	±0.75	5.0	1.6	220	A1, A3	MLA 2648-302
		26	±0.50	±1.00	4.0	1.6	300	B1, B3	MLA 2648-303
		35	±0.50	±1.50	4.0	1.6	380	B1, B3	MLA 2648-304
	+26	7	±0.50	±0.50	7.0	1.8	200	A1, A3	MLA 2648-401
		16	±0.50	±0.75	6.0	1.8	320	A1, A3	MLA 2648-402
		25	±0.50	±1.00	5.0	1.8	420	B1, B3	MLA 2648-403
		34	±0.50	±1.50	4.0	1.8	500	B1, B3	MLA 2648-404
	+29	6	±0.50	±0.50	8.0	1.8	400	A1, A3	MLA 2648-501
		15	±0.75	±0.75	7.0	1.8	600	A1, A3	MLA 2648-502
		24	±1.00	±1.00	6.0	1.8	700	B1, B3	MLA 2648-503
		32	±1.00	±1.50	5.0	1.8	800	B1, B3	MLA 2648-504

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