

**2.0 - 2.4GHz AMPLIFIERS**  
**Uncompensated**      **MLA 2541-000 Series**  
**Temperature Compensated**      **MLA 2641-000 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
2.0 - 2.4	+12	12	±0.20	0.012	1.5	1.8	80	A1, A3	MLA 2541-101
		24	±0.40	0.024	1.5	1.8	160	A1, A3	MLA 2541-102
		36	±0.50	0.036	1.5	1.8	240	B1, B3	MLA 2541-103
		48	±0.50	0.050	1.5	1.8	320	B1, B3	MLA 2541-104
	+18	11	±0.20	0.012	3.0	1.6	100	A1, A3	MLA 2541-201
		23	±0.40	0.024	2.0	1.6	180	A1, A3	MLA 2541-202
		35	±0.50	0.036	2.0	1.6	260	B1, B3	MLA 2541-203
		46	±0.50	0.050	2.0	1.6	340	B1, B3	MLA 2541-204
	+21	10	±0.30	0.012	4.0	1.6	120	A1, A3	MLA 2541-301
		22	±0.40	0.024	3.0	1.6	220	A1, A3	MLA 2541-302
		34	±0.50	0.036	2.0	1.6	300	B1, B3	MLA 2541-303
		45	±0.50	0.050	2.0	1.6	380	B1, B3	MLA 2541-304
	+26	9	±0.30	0.012	6.0	1.8	200	A1, A3	MLA 2541-401
		20	±0.40	0.024	4.0	1.8	320	A1, A3	MLA 2541-402
		31	±0.50	0.036	3.0	1.8	420	B1, B3	MLA 2541-403
		43	±0.50	0.050	3.0	1.8	500	B1, B3	MLA 2541-404
	+29	7	±0.50	0.012	7.0	1.8	400	A1, A3	MLA 2541-501
		16	±0.75	0.024	6.0	1.8	600	A1, A3	MLA 2541-502
		26	±1.00	0.036	5.0	1.8	700	B1, B3	MLA 2541-503
		36	±1.00	0.050	4.0	1.8	800	B1, B3	MLA 2541-504

**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
2.0 - 2.4	+12	10	±0.30	±0.50	2.5	1.8	80	A1, A3	MLA 2641-101
		21	±0.50	±0.75	2.2	1.8	160	A1, A3	MLA 2641-102
		32	±0.60	±1.00	2.2	1.8	240	B1, B3	MLA 2641-103
		43	±0.60	±1.50	2.2	1.8	320	B1, B3	MLA 2641-104
	+18	9	±0.30	±0.50	4.0	1.6	100	A1, A3	MLA 2641-201
		20	±0.50	±0.75	3.0	1.6	180	A1, A3	MLA 2641-202
		31	±0.60	±1.00	3.0	1.6	260	B1, B3	MLA 2641-203
		42	±0.60	±1.50	3.0	1.6	340	B1, B3	MLA 2641-204
	+21	8	±0.30	±0.50	5.0	1.6	120	A1, A3	MLA 2641-301
		19	±0.50	±0.75	4.0	1.6	220	A1, A3	MLA 2641-302
		30	±0.60	±1.00	3.0	1.6	300	B1, B3	MLA 2641-303
		41	±0.60	±1.50	3.0	1.6	380	B1, B3	MLA 2641-304
	+26	7	±0.30	±0.50	6.0	1.8	200	A1, A3	MLA 2641-401
		18	±0.50	±0.75	5.0	1.8	320	A1, A3	MLA 2641-402
		28	±0.60	±1.00	4.0	1.8	420	B1, B3	MLA 2641-403
		37	±0.60	±1.50	4.0	1.8	500	B1, B3	MLA 2641-404
	+29	6	±0.50	±0.50	8.0	1.8	400	A1, A3	MLA 2641-501
		15	±0.75	±0.75	7.0	1.8	600	A1, A3	MLA 2641-502
		25	±1.00	±1.00	6.0	1.8	700	B1, B3	MLA 2641-503
		33	±1.00	±1.50	5.0	1.8	800	B1, B3	MLA 2641-504

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