

## 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
2.4 - 2.7	+12	12	±0.203	0.012	1.5	1.8	80	A1, A3	MLA 2542-101
		24	±0.40	0.024	1.5	1.8	160	A1, A3	MLA 2542-102
		36	±0.50	0.036	1.5	1.8	240	B1, B3	MLA 2542-103
		48	±0.50	0.050	1.5	1.8	320	B1, B3	MLA 2542-104
	+18	11	±0.20	0.012	3.0	1.6	100	A1, A3	MLA 2542-201
		23	±0.40	0.024	2.0	1.6	180	A1, A3	MLA 2542-202
		35	±0.50	0.036	2.0	1.6	260	B1, B3	MLA 2542-203
		46	±0.50	0.050	2.0	1.6	340	B1, B3	MLA 2542-204
	+21	10	±0.30	0.012	4.0	1.6	120	A1, A3	MLA 2542-301
		22	±0.40	0.024	3.0	1.6	270	A1, A3	MLA 2542-302
		34	±0.50	0.036	2.0	1.6	300	B1, B3	MLA 2542-303
		45	±0.50	0.050	2.0	1.6	380	B1, B3	MLA 2542-304
	+26	9	±0.30	0.012	6.0	1.8	200	A1, A3	MLA 2542-401
		20	±0.40	0.024	4.0	1.8	320	A1, A3	MLA 2542-402
		31	±0.50	0.036	3.0	1.8	420	B1, B3	MLA 2542-403
		43	±0.50	0.050	3.0	1.8	500	B1, B3	MLA 2542-404
	+29	7	±0.50	0.012	7.0	1.8	400	A1, A3	MLA 2542-501
		16	±0.75	0.024	6.0	1.8	600	A1, A3	MLA 2542-502
		26	±1.00	0.036	5.0	1.8	700	B1, B3	MLA 2542-503
		36	±1.00	0.050	4.0	1.8	800	B1, B3	MLA 2542-504

## 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
2.4 - 2.7	+12	10	±0.3	±0.5	2.5	1.8	80	A1, A3	MLA 2642-101
		21	±0.5	±0.7	2.2	1.8	160	A1, A3	MLA 2642-102
		32	±0.6	±1.0	2.2	1.8	240	B1, B3	MLA 2642-103
		43	±0.6	±1.5	2.2	1.8	320	B1, B3	MLA 2642-104
	+18	9	±0.3	±0.5	4.0	1.6	100	A1, A3	MLA 2642-201
		20	±0.5	±0.7	3.0	1.6	180	A1, A3	MLA 2642-202
		31	±0.6	±1.0	3.0	1.6	260	B1, B3	MLA 2642-203
		42	±0.6	±1.5	3.0	1.6	340	B1, B3	MLA 2642-204
	+21	8	±0.3	±0.5	5.0	1.6	120	A1, A3	MLA 2642-301
		19	±0.5	±0.7	4.0	1.6	220	A1, A3	MLA 2642-302
		30	±0.6	±1.0	3.0	1.6	300	B1, B3	MLA 2642-303
		41	±0.6	±1.5	3.0	1.6	380	B1, B3	MLA 2642-304
	+26	7	±0.3	±0.5	6.0	1.8	200	A1, A3	MLA 2642-401
		18	±0.5	±0.7	5.0	1.8	320	A1, A3	MLA 2642-402
		29	±0.6	±1.0	4.0	1.8	420	B1, B3	MLA 2642-403
		40	±0.6	±1.5	4.0	1.8	500	B1, B3	MLA 2642-404
	+29	6	±0.5	±0.5	8.0	1.8	400	A1, A3	MLA 2642-501
		15	±0.7	±0.7	7.0	1.8	600	A1, A3	MLA 2642-502
		25	±1.0	±1.0	6.0	1.8	700	B1, B3	MLA 2642-503
		33	±1.0	±1.5	5.0	1.8	800	B1, B3	MLA 2642-504

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