

9.5 - 10.5GHz AMPLIFIERS

Uncompensated
Temperature Compensated

MLA 2556-000 Series
MLA 2656-000 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
9.5 - 10.5	+12	10	±0.30	0.012	1.5	1.8	80	A1, A2	MLA 2556-101
		20	±0.40	0.024	1.5	1.8	160	A1, A2	MLA 2556-102
		30	±0.50	0.036	1.5	1.8	240	B1, B2	MLA 2556-103
		40	±0.50	0.050	1.5	1.8	320	B1, B2	MLA 2556-104
	+18	10	±0.30	0.012	4.0	1.6	100	A1, A2	MLA 2556-201
		20	±0.40	0.024	4.0	1.6	180	A1, A2	MLA 2556-202
		30	±0.50	0.036	4.0	1.6	260	B1, B2	MLA 2556-203
		40	±0.50	0.050	4.0	1.6	340	B1, B2	MLA 2556-204
	+21	10	±0.30	0.012	5.0	1.6	120	A1, A2	MLA 2556-301
		20	±0.40	0.024	4.0	1.6	220	A1, A2	MLA 2556-302
		30	±0.50	0.036	4.0	1.6	300	B1, B2	MLA 2556-303
		40	±0.50	0.050	4.0	1.6	380	B1, B2	MLA 2556-304
	+26	9	±0.30	0.012	6.0	1.8	280	A1, A2	MLA 2556-401
		18	±0.40	0.024	5.0	1.8	400	A1, A2	MLA 2556-402
		28	±0.50	0.036	4.0	1.8	480	B1, B2	MLA 2556-403
		38	±0.50	0.050	4.0	1.8	560	B1, B2	MLA 2556-404

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
9.5 - 10.5	+12	10	±0.30	±0.50	2.5	1.8	80	A1, A2	MLA 2656-101
		20	±0.40	±0.75	2.2	1.8	160	B1, B2	MLA 2656-102
		27	±0.50	±1.00	2.2	1.8	240	B1, B2	MLA 2656-103
		35	±0.50	±1.50	2.2	1.8	320	B1, B2	MLA 2656-104
	+18	8	±0.30	±0.50	6.0	1.6	100	A1, A2	MLA 2656-201
		17	±0.40	±0.75	5.0	1.6	180	B1, B2	MLA 2656-202
		26	±0.50	±1.00	5.0	1.6	260	B1, B2	MLA 2656-203
		35	±0.50	±1.50	5.0	1.6	340	B1, B2	MLA 2656-204
	+21	7	±0.30	±0.50	7.0	1.6	120	A1, A2	MLA 2656-301
		16	±0.40	±0.75	6.0	1.6	220	B1, B2	MLA 2656-302
		25	±0.50	±1.00	5.0	1.6	300	B1, B2	MLA 2656-303
		34	±0.50	±1.50	5.0	1.6	380	B1, B2	MLA 2656-304
	+26	7	±0.30	±0.50	8.0	1.8	280	A1, A2	MLA 2656-401
		15	±0.40	±0.75	7.0	1.8	400	B1, B2	MLA 2656-402
		24	±0.50	±1.00	6.0	1.8	480	B1, B2	MLA 2656-403
		33	±0.50	±1.50	5.0	1.8	560	B1, B2	MLA 2656-404

M/A-COM Ltd, Humphrys Road, Dunstable, Bedfordshire, LU5 4SX United Kingdom.

Europe: (44) 1344 869595

North America: 800 366 2266

Asia Pacific: (81) 3 3226 1671