METIX RF

Model	Freq range	Gain	NF	OP1dB	OIP3	Supply Current	Note
MR-LNA406	100k-6GHz	28dB@100kHz 28dB@5MHz 27dB@10MHz 26.5dB@100MHz 24.5dB@1GHz 22.5dB@2GHz 21dB@3GHz 20dB@4GHz 18.5dB@5GHz 16.5dB@6GHz	1.9dB@10MHz 1dB@100MHz 0.6dB@1GHz 0.7dB@2GHz 0.7dB@3GHz 0.9dB@4GHz 1.1dB@5GHz 1.7dB@6GHz	16dBm@10MHz 18dBm@100MHz 18dBm@1GHz 18dBm@2GHz 18dBm@3GHz 17dBm@4GHz 15dBm@5GHz 13dBm@6GHz	27dBm@10MHz 30dBm@100MHz 32dBm@1GHz 32dBm@2GHz 32dBm@3GHz 31dBm@4GHz 29dBm@5GHz 23dBm@6GHz	68mA Off-chip bias, user can adjust the bias resistor to reduce the current	Broadband, Low Noise Can be used to replace TQP3M9035,QPL9058 TQP3M9037,QPL9547 modules
MR-LNA606	10M-6GHz	5dB@100kHz 23.5dB@5MHz 27dB@10MHz 25.5dB@100MHz 22.5dB@1GHz 22.5dB@2GHz 21dB@3GHz 22dB@4GHz 23dB@5GHz 22.5dB@6GHz	2.3dB@10MHz 0.8dB@100MHz 0.6dB@1GHz 0.7dB@2GHz 0.7dB@3GHz 0.7dB@4GHz 0.8dB@5GHz 1.0dB@6GHz	16dBm@10MHz 18dBm@100MHz 18dBm@1GHz 18dBm@2GHz 18dBm@3GHz 18dBm@4GHz 17dBm@5GHz 16dBm@6GHz	26dBm@10MHz 32dBm@100MHz 34dBm@1GHz 33dBm@2GHz 32dBm@3GHz 32dBm@4GHz 31dBm@5GHz 25dBm@6GHz	80mA Off-chip bias, user can adjust the bias resistor to reduce the current	Broadband, low noise Good flatness in the 1-6 GHz range Recommended for use as tinySA ULTRA 5.8GHz preamplifier Can be used to replace QPL9503,QPL9504 modules
MR-LNA410	100k-10GHz	21dB@100kHz 21.5dB@5MHz 21.5dB@10MHz 21.5dB@100MHz 21.5dB@1GHz 21dB@2GHz 21dB@3GHz 20dB@4GHz 18.5dB@5GHz 17.5dB@6GHz 16.5dB@7GHz 15dB@8GHz 14dB@9GHz 13dB@10GHz	6.7dB@10MHz 2.2dB@100MHz 2dB@1GHz 2.1dB@2GHz 2.3dB@3GHz 2.4dB@4GHz 2.5dB@5GHz 2.7dB@6GHz 2.8dB@7GHz 3.1dB@8GHz 3.5dB@9GHz 3.9dB@10GHz	11dBm@10MHz 13dBm@100MHz 13dBm@1GHz 13dBm@2GHz 13dBm@3GHz 13dBm@4GHz 13dBm@5GHz 13dBm@6GHz 12dBm@7GHz 11dBm@8GHz 10dBm@9GHz 9dBm@10GHz	24dBm@10MHz 23dBm@100MHz 22dBm@1GHz 22dBm@2GHz 22dBm@3GHz 22dBm@4GHz 22dBm@5GHz 22dBm@6GHz 22dBm@7GHz 22dBm@8GHz 22dBm@9GHz 22dBm@10GHz	52mA On-chip bias	Ultra-broadband Low noise Good flatness Can be used to replace ADM-8095 ADM-8625 modules
MR-LNAB404	100k-4GHz	21dB@100kHz 21dB@5MHz 20dB@10MHz 19dB@100MHz 15.5dB@1GHz 12dB@2GHz 9dB@3GHz 7dB@4GHz	2.3dB@10MHz 1dB@100MHz 0.7dB@1GHz 0.7dB@2GHz 0.7dB@3GHz 1dB@4GHz	12dBm@10MHz 15dBm@100MHz 16dBm@1GHz 16dBm@2GHz 17dBm@3GHz 16dBm@4GHz	17dBm@10MHz 18dBm@100MHz 18dBm@1GHz 18dBm@2GHz 19dBm@3GHz 20dBm@4GHz	Charging 210mA, Total 215mA, Battery life 20 hours.	ultra-low power, low noise Can be used to replace SPF5189Z,SPF5043Z modules
MR-LNAB406	100k-6GHz	25 dB@100kHz 25dB@5MHz 24dB@10MHz 23dB@100MHz 21.5dB@1GHz 19.5dB@2GHz 18.5dB@3GHz 17dB@4GHz 15dB@5GHz 12.5dB@6GHz	1.9dB@10MHz 1dB@100MHz 0.6dB@1GHz 0.7dB@2GHz 0.7dB@3GHz 0.9dB@4GHz 1.1dB@5GHz 1.7dB@6GHz	16dBm@10MHz 18dBm@100MHz 18dBm@1GHz 18dBm@2GHz 18dBm@3GHz 17dBm@4GHz 15dBm@5GHz 13dBm@6GHz	23dBm@10MHz 24dBm@100MHz 25dBm@1GHz 22dBm@2GHz 21dBm@3GHz 20dBm@4GHz 15dBm@5GHz 13dBm@6GHz	Charging 210mA, Total 230mA, Battery life 12 hours.	low power, Broadband, Low Noise Can be used to replace TQP3M9035,QPL9058 TQP3M9037,QPL9547 modules

MR-LNAB606	10M-6GHz	2dB@100kHz 21dB@5MHz 25.5dB@10MHz 24.5dB@100MHz 21.5dB@1GHz 21dB@2GHz 20dB@3GHz 19.5dB@4GHz 19dB@5GHz 18dB@6GHz	2.3dB@10MHz 0.8dB@100MHz 0.6dB@1GHz 0.7dB@2GHz 0.7dB@3GHz 0.7dB@4GHz 0.8dB@5GHz 1.0dB@6GHz	16dBm@10MHz 12dBm@100MHz 18dBm@1GHz 18dBm@2GHz 18dBm@3GHz 18dBm@4GHz 17dBm@5GHz 16dBm@6GHz	26dBm@10MHz 31dBm@100MHz 31dBm@1GHz 30dBm@2GHz 31dBm@3GHz 28dBm@4GHz 27dBm@5GHz 24dBm@6GHz	Charging 210mA, Total 250mA, Battery life 6 hours.	Broadband, low noise Good flatness in the 1-6 GHz range Recommended for use as tinySA ULTRA 5.8GHz preamplifier Can be used to replace QPL9503.QPL9504
MR-LNAB410	100k-10GHz	21dB@100kHz 21.5dB@5MHz 21.5dB@10MHz 21.5dB@100MHz 21.5dB@1GHz 21dB@2GHz 21dB@3GHz 20dB@4GHz 18.5dB@5GHz 17.5dB@6GHz 16.5dB@7GHz 15dB@8GHz 14dB@9GHz 13dB@10GHz	6.7dB@10MHz 2.2dB@100MHz 2dB@1GHz 2.1dB@2GHz 2.3dB@3GHz 2.4dB@4GHz 2.5dB@5GHz 2.7dB@6GHz 2.8dB@7GHz 3.1dB@8GHz 3.5dB@9GHz 3.9dB@10GHz	11dBm@10MHz 13dBm@100MHz 13dBm@1GHz 13dBm@2GHz 13dBm@3GHz 13dBm@4GHz 13dBm@5GHz 13dBm@6GHz 12dBm@7GHz 11dBm@8GHz 10dBm@9GHz 9dBm@10GHz	24dBm@10MHz 23dBm@100MHz 22dBm@1GHz 22dBm@2GHz 22dBm@3GHz 22dBm@4GHz 22dBm@5GHz 22dBm@6GHz 22dBm@7GHz 22dBm@8GHz 22dBm@9GHz 22dBm@10GHz	Charging 210mA, Total 260mA, Battery life 5 hours.	Ultra-broadband Low noise Good flatness Can be used to replace ADM-8095 ADM-8625 modules