

2026 NEW PRODUCT RELEASES



 **GUERRILLARF**[®]

LNAs

Part # & Description	Frequency (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage (V)	Package (mm ² / Type)
GRF2201 High Gain LNA	1.2-6.1	20	0.75	12	23	3.3	1.5 x 1.5 DFN-6
GRF2584 High Gain LNA	3.0-9.0	32.2	1.2	16.3	29.4	5.0	1.5 x 1.5 DFN-6
GRF2110 LNA / Linear Driver	5.0-8.0	16.3	1.2	22	38	5.0	1.5 x 1.5 DFN-6
GRF2111 LNA / Linear Driver	8.0-12.0	12.9	1.2	20.6	36	5.0	1.5 x 1.5 DFN-6
GRF2112 LNA / Gain Block	0.4-4.2	17.5	0.9	12	35	5.0	2.0x2.0 DFN-8
GRF2118 LNA / Gain Block	6.0-8.5	25.5	0.57	16	25.7	5.0	2.0 x 2.0 QFN-12
GRF2117 LNA / Gain Block	6.0-18.0	15.4	0.84	16.4	28.4	5.0	2.0 x 2.0 QFN-12

LNAs with Bypass

Part # & Description	Frequency (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage (V)	Package (mm ² / Type)
GRF2374 Low Current LNA with Bypass	0.1-3.8	14.3/-1.7	1.4	11/6.5	23.5/19.5	3.3	1.5 x 1.5 DFN-6
GRF2583 LNA with Bypass	4.4-6.0	27.2/15	1.2/1.25	16/10	33/21.2	5.0	1.5 x 1.5 DFN-6

Gain Blocks

Part # & Description	Frequency (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage (V)	Package (mm ² / Type)
GRF2112 LNA / Gain Block	0.4-4.2	17.5	0.9	12	35	5.0	2.0x2.0 DFN-8
GRF2113 Broadband Gain Block	0.03-6.0	21.8	1.6	22.1	35.7	5.0	2.0 x 2.0 DFN-8
GRF2118 LNA / Gain Block	6.0-8.5	25.5	0.57	16	25.7	5.0	2.0 x 2.0 QFN-12
GRF2115 High Frequency Gain Block	0.05-11.0	17.3	1.7	21.5	35.6	5.0	2.0 x 2.0 DFN-8
GRF2116 High Frequency Gain Block	0.1-15.0	14.3	2.5	19	33.5	5.0	2.0 x 2.0 DFN-8
GRF2117 High Frequency LNA / Gain Block	6.0-18.0	15.4	0.84	16.4	28.4	5.0	2.0 x 2.0 QFN-12

Gain Blocks with Bypass

Part # & Description	Frequency (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage (V)	Package (mm ² / Type)
GRF2040 Broadband Gain Block with Bypass	0.05-5.0	10.2/-1.6	3.4	20.9/25.2	35.3/43.4	5.0	1.5 x 1.5 DFN-6
GRF2042 Broadband Gain Block with Bypass	0.15-6.0	15.5/-1.6	2.1	22/22	38/45	5.0	1.5 x 1.5 DFN-6
GRF2043 Broadband Gain Block with Bypass	0.15-6.0	18.5/-1.5	1.8	22/23	36/45	5.0	1.5 x 1.5 DFN-6

Drivers

Part # & Description	Frequency (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage (V)	Package (mm ² / Type)
GRF5217 High Gain Linear Driver	1.5-2.2	31	3.8	29	35	5.25	3.0 x 3.0 QFN-16
GRF5219 High Gain Linear Driver	1.8-2.2	44.1	4.1	30	33.6	5.0	3.0 x 3.0 QFN-16
GRF5225 High Gain Linear Driver	2.3-2.7	27.8	TBD	-	-	5.0	3.0 x 3.0 QFN-16
GRF5226 High Gain Linear Driver	2.3-2.7	41.5	4.1	30.4	35.3	5.5	3.0 x 3.0 QFN-16



Drivers

Part # & Description	Frequency (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage (V)	Package (mm ² / Type)
GRF5112 Linear Driver	0.03-3.0	17.1	1.7	32.2	40	5.0	3.0 x 3.0 QFN-16
GRF5219 High Gain Linear Driver	1.8-2.2	44.1	4.1	30	33.8	5.0	3.0 x 3.0 QFN-16
GRF5236 High Gain Linear Driver	3.1-4.2	36.7	4.1	30.1	33.8	5.0	3.0 x 3.0 QFN-16
GRF2111 Linear Driver	8.0-12.0	12.9	1.2	20.6	36	5.0	1.5 x 1.5 DFN-6
GRF5126 High Gain Linear Driver	1.8-5.0	37.5/31.1	1.9/1.9	24.6/24	31.1/31.4	5.0	3.0 x 3.0 QFN-16
GRF2110 Linear Driver	5.0-8.0	16.3	1.2	22	38	5.0	1.5 x 1.5 DFN-6
GRF2115 Linear Driver	0.05-11.0	17.3	1.7	21.5	35.6	6.0	2.0 x 2.0 DFN-8

Linear Power Amplifiers

Part # & Description	Frequency (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage (V)	Package (mm ² / Type)
GRF5217 High Efficiency Power Amplifier	1.5-2.2	31	3.8	29	-	4.0	3.0 x 3.0 QFN-16
GRF5225 High Efficiency Power Amplifier	2.3-2.7	27.8	3.8	29	-	4.0	3.0 x 3.0 QFN-16
GRF5603 High Efficiency Power Amplifier	0.865-0.928	32	4.5	37	44.8	5.0	3.0 x 3.0 QFN-16
GRF5837 High Efficiency Power Amplifier	3.3-3.8	40	4.8	33	43	5.5	2.5 x 3.0 LAMM-12
GRF5847 High Efficiency Power Amplifier	4.4-5.2	40	4.8	33.5	43	5.5	2.5 x 3.0 LAMM-12
GRF5857 High Efficiency Power Amplifier	5.2-6.0	40	4.9	33.5	43	5.5	2.5 x 3.0 LAMM-12

Cable / Broadband Push-Pull Gain Blocks

Part # & Description	Topology	Frequency (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP2 (dBm)	OIP3 (dBm)	Voltage (V)	I _{DD} (mA)	Package (mm ² / Type)
GRF9897 Broadband Amp	Push-Pull 	0.005-0.7	26.4	1.1	26.4	70	43	5.0-8.0	270	3.9 x 4.9 SOIC-8
GRF7896 Broadband Amp		0.005-1.0	25.6	1.3	26.4	70	42	5.0-6.0	270	3.9 x 4.9 SOIC-8
GRF9896 Broadband Amp		0.005-1.0	25.4	1.3	26.4	70	42	5.0-6.0	260	3.0 x 3.0 QFN-16
GRF7163 Broadband Amp		0.005-2.0	20	1.8	25	68	41	5.0-6.0	290	3.9 x 4.9 SOIC-8
GRF9163 Broadband Amp		0.05-2.0	20	1.8	25	68	41	5.0-6.0	290	3.0 x 3.0 QFN-16
GRF9297 Broadband Amp		0.05-2.0	18	1.7	25.4	60	42.5	5.0-6.0	290	4.0 x 5.0 SOIC-8
GRF7240 Broadband Amp		0.05-2.0	18.6	2.4	24.2	68	41	5.0-6.0	270	4.0 x 5.0 SOIC-8
GRF9240 Broadband Amp		0.05-2.0	18.6	2.4	24.2	68	41	5.0-6.0	270	3.0 x 3.0 QFN-16
GRF9811 Broadband Amp		0.05-2.3	17	2.2	25.5	75	41	5.0-6.0	280	4.0 x 5.0 SOIC-8
GRF9834 Broadband Amp		0.05-2.3	14.3	2.6	24.2	70	43.4	5.0-6.0	280	4.0 x 5.0 SOIC-8
GRF9457 Broadband Amp	Single-ended 	0.05-1.0	20	1.7	21	61	40	5.0-6.0	120	2.0 x 2.0 DFN-8
GRF9163 Broadband Amp		0.005-2.0	20	1.8	25	58	41	5.0-6.0	280	3.0 x 3.0 QFN-16
GRF9461 Broadband Amp		0.05-2.0	19.8	1.8	18.8	49	37	5.0-6.0	132	2.0 x 2.0 DFN-8
GRF9460 Broadband Amp		0.05-2.6	17.5	1.8	19.5	58	40	5.0-6.0	115	2.0 x 2.0 DFN-8



Digital Variable Gain Amplifiers

Part #	Interface	Range	Step Size	Address	Frequency (GHz)	Gain (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage (V)	Package (mm ² / Type)
GRF6411	Serial	31.75	0.25	1	0.05-8	19.2	2.7	22.7	38	5.0	3.0 x 3.0 QFN-16
GRF6412	Serial	31.75	0.25	8	0.05-8	19.2	2.6	22.9	37	5.0	4.0 x 4.0 QFN-24



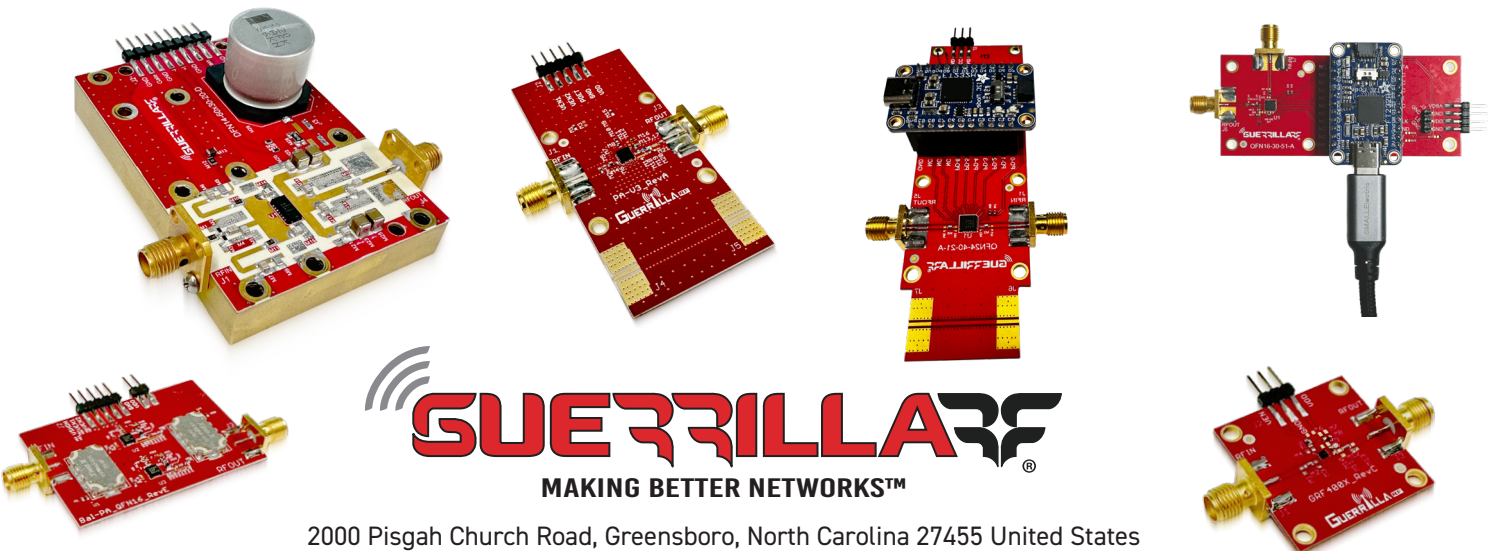
Discrete Wideband GaN Amplifiers in QFN/DFN Plastic Packaging

Part # & Description	Type	Frequency (GHz)	P _{SAT} (W)	Gain (dB)	Efficiency (%)	Voltage (V)	Package (mm ² / Type)
GRF0005 5W GaN-on-SiC HEMT	Unmatched Discrete	DC-12.0 GHz	5	22	67	28/40	3.0 x 3.0 QFN-16
GRF0012 12W GaN-on-SiC HEMT	Unmatched Discrete	DC-12.0 GHz	12	21	66	28/40	3.0 x 3.0 QFN-16
GRF0010 15W GaN-on-SiC HEMT	Unmatched Discrete	DC-8.0 GHz	15	19	62	28/50	3.0 x 3.0 QFN-16
GRF0020 30W GaN-on-SiC HEMT	Unmatched Discrete	DC-7.0 GHz	30	19	64	28/50	3.0 x 3.0 QFN-16
GRF5923 Dual 30W GaN HEMT Pair	Unmatched Discrete	DC-6.0 GHz	30	14	55	28/50	4.0 x 4.0 QFN-24
GRF0030 50W GaN-on-SiC HEMT	Unmatched Discrete	DC-6.0 GHz	50	21	65	28/50	3.0 x 3.0 QFN-16
GRF0065 80W GaN-on-SiC HEMT	Unmatched Discrete	DC-3.7 GHz	80	21.9	66	28/50	6.0 x 3.0 DFN-14
GRF0090 110W GaN-on-SiC HEMT	Unmatched Discrete	DC-3.7 GHz	110	21.6	66	28/50	6.0 x 3.0 DFN-14
GRF0135 150W GaN-on-SiC HEMT	Unmatched Discrete	DC-3.2 GHz	150	19	64	28/50	6.0 x 3.0 DFN-14



RF Switches

Part # & Description	Switch Type	Frequency (GHz)	Path	IL (dB)	RF1 to RF2 (dB)	IIP3 (dBm)	Voltage (V)	Package (mm ² / Type)
GRF6018 SPDT Fallsafe Switch	SPDT	0.1-12.0	RFC to RF1	.85	16.5	59	1.8-5.0	1.5x1.5 DFN-6
			RFC to RF1	.9	15.7	48	1.8-5.0	
GRF6001 SPDT Fallsafe Switch	SPDT	0.1-10.0	RFC to RF1	1.0	28	50	3.0-5.0	1.5x1.5 DFN-6
			RFC to RF1	1.0	38	50	3.0-5.0	



2000 Pisgah Church Road, Greensboro, North Carolina 27455 United States
336.510.7840 guerrilla-rf.com