Our Products IMS2023 San Diego

Altum RF designs and develops a broad range of high performance RF products for commercial and industrial applications, with strategic roadmaps to rapidly expand our product portfolio. Using proven technologies like leading-edge GaAs or GaN, we are able to deliver optimal products in terms of RF performance, level of integration and cost. The tables show a summary of available products or products in development. For more information on a specific product or requirement, please contact info@altumrf.com

Distributed Amplifiers

Part Number	Frequency (GHz)	Gain (dB)	P_{SAT} (dBm)	Package	Sampling
ARF1300Q4	DC-24	13	23.6	4 × 4 QFN	NOW
ARF1301Q5	DC-18	12.5	30	5 × 5 QFN	NOW
ARF1303	DC-60	15	24	Bare Die	NOW
ARF1303Q6	DC-50	14	24	6 × 6 QFN	Q3 2023
ARF1304Q5	DC-26.5	15	25	5 × 5 QFN	NOW
ARF1306C5	2-18	15	34	5 × 5 Ceramic	NOW
ARF1306	2-20	16	34.5	Bare Die	NOW
ARF1307C7	2-20	18	40	7 × 7 Ceramic	NOW
ARF1307	2-20	18	40	Bare Die	NOW
ARF1312Q6	DC-26.5	15	32	6 × 6 QFN	NOW

Low Noise / Driver Amplifiers

Part Number	Frequency (GHz)	Gain (dB)	NF (dB)	P1dB (dBm)	Package	Sampling
ARF1200Q2	20-31.5	20	3.5	1	2.5 × 2.5 QFN	NOW
ARF1201Q2	17-31.5	21	2.6	7	2.5 × 2.5 QFN	NOW
ARF1202Q2	37-42	17	4	8.5	2.5 × 2.5 QFN	NOW
ARF1203Q2	37-40	20.5	4	13	2.5 × 2.5 QFN	NOW
ARF1205Q2	13-24	23	2.5	16	2.5 × 2.5 QFN	NOW
ARF1204Q4	7-12	21	2	20	4 × 4 QFN	Q3 2022
ARF1210Q2	32-37	18	3.8	10	2.5 x 2.5 QFN	NOW
ARF1211Q3	6-14	25	1.7	18	3 x 3 QFN	NOW

Switches

Part Number	Frequency (GHz)	IL (dB)	Isolation (dB)	IP1dB (dBm)	Package	Sampling
ARF2002Q3	7-11	1.5	30	35	3 × 3 QFN	NOW
ARF2004Q3	6-12	1.1	30	35	3 × 3 QFN	NOW
ARF2001	55-96	< 2	>35	>24	Bare Die	NOW
ARF2003	DC-100	1.4 @ 50 GHz 2.5 @ 77 GHz	>30	> 24	Bare Die	NOW

Amplifiers for X-, Ku-, K-, Ka-, Q-, V- and E-band

Part Number	Frequency (GHz)	Gain (dB)	P1dB (dBm)	P_{SAT} (dBm)	Package	Sampling
ARF1001C7	8-11	25	36	37	7 × 7 Ceramic	NOW
ARF1002C7	8-11	24	39	40	7 × 7 Ceramic	NOW
ARF1003C7	8.5-10.5	18	41	42	7 × 7 Ceramic	NOW
ARF1009Q5	9-11	40	38	40	5 x 5 QFN	NOW
ARF1020Q5	9-11	27	39	40	5 x 5 QFN	NOW
ARF1021Q5	9-12	29	34	37	5 x 5 QFN	Q2 2023
ARF1022Q4	8-12	30	31	34	4 x 4 QFN	Q2 2023
ARF1108Q4	8.5-12	23	26.5	27	4 x 4 QFN	NOW
ARF1109Q4	8-12	25	29	30	4 x 4 QFN	NOW
ARF1110Q4	8-12	25	31	33	4 x 4 QFN	NOW
ARF1111Q4	13-17.5	22	27	28	4 x 4 QFN	NOW
ARF1112Q4	13.5-17	24	29	30	4 x 4 QFN	NOW
ARF1113Q4	13.5-17.5	21	30.5	33	4 x 4 QFN	NOW
ARF1114Q4	17-23	24	25	26	4 x 4 QFN	NOW
ARF1010Q4	22-30	28	27	29.5	4 x 4 QFN	NOW
ARF1026Q4	27-31.5	28	26	29	4 × 4 QFN	NOW
ARF1106Q4	24-31	28	24	26	4 × 4 QFN	NOW
ARF1012Q4	37-41	26	24.5	27.5	4 x 4 QFN	NOW
ARF1107Q4	37-41	26.5	24.5	25	4 x 4 QFN	NOW
ARF1023Q4	34-38	29 .5	26	28	4 × 4 QFN	NOW
ARF1013	27-31.5	28		38.9	Bare Die	NOW
ARF1013Q6	27-31.5	27.5		38.5	4 × 4 QFN	NOW
ARF1014	27-31.5	24		41	Bare Die	NOW
ARF1014Q6	27-31.5	27		39.5	6 x6 QFN	Q3 2023
ARF1103Q4	27-31.5	25	23.5	26	4 x 4 QFN	NOW
ARF1104Q4	27-31.5	28	24.5	29	4 x 4 QFN	NOW
ARF1105Q4	27-31.5	31	28	31.5	4 x 4 QFN	NOW
ARF1208	37-59	26.5	16.5	19	Bare Die	NOW
ARF1207	57-71	20	21.5	22	Bare Die	NOW
ARF1206	71-86	22.5	14	15	Bare Die	NOW
ARF1006	71-76	30	28	30	Bare Die	Q4 2023
ARF1007	81-86	27	28	30	Bare Die	Q4 2023

Front-End IC (LNA + PA + Switch)

Part Number	Frequency	Tx Gain	Tx P_{SAT}	Rx NF	Rx Gain	Package	Sampling
ARF1502Q4	8-12 GHz	25 dB	31 dBm	3 dB	25 dB	4 × 4 QFN	NOW