WAVE PIA
IC DESIGN

Wavepia – дизайн центр в Южной Кореи специализирующийся на разработке РЧ транзисторов и МИС на базе GaN технологии. Компания предлагает согласованные и несогласованные транзисторы в корпусированном и бескорпусном исполнении

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Транзисторы несогласованные (GaN)

Part number	Frequency (GHz)	Psat (W)	PAE (%)	Power Gain (dB)	Operating Voltage (V)	Measurement Frequency (Ghz)	Test Signal	Package
WP284P5008UH(S)	DC-6.0	11.7	61	14	28	4.4-5.0	Pulsed/CW	360B
WP48007008UH(S)	DC-8.0	8	60	14	48	4.4-5.0	Pulsed/CW	360B
WP284P5015UH(S)	DC-6.0	21.6	60.7	12.7	28	4.5-4.7	Pulsed/CW	360B
WP28015015UH	DC-8.0	15	40	10	28	DC-10	Pulsed/CW	360B
WP48007015UH(S)	DC-8.0	15	60	14	48	4.4-5.0	Pulsed/CW	360B
WP482P1020UH(S)	DC-5.0	22.5	48.3	20.8	48	2.11-2.17	Pulsed/CW	360B
WP285P5020UH(S)	DC-6.0	26	39.3	11.5	28	5.0-6.0	Pulsed/CW	360B
WP28015025UH(S)	DC-10	25	40	10	28	DC-10	Pulsed/CW	360B
WP482P9025US	DC-5.0	29	56	13.7	48	2.7-3.2	Pulsed/CW	360B
WP483P7025UH	DC-5.0	31	63	15.6	48	3.4-3.7	Pulsed/CW	360B
WP482P1026UH(S)	DC-5.0	25.7	56	19.2	48	2.11-2.17	Pulsed/CW	360B
WP285P1030UH(S)	DC-6.0	30.7	45	12.9	28	4.8-5.4	Pulsed/CW	A580B
WP28015030UH(S)	DC-10	30	40	10	28	DC-10	Pulsed/CW	360B
WP482P45030UH_CW	DC-5.0	30.9	63	19.6	48	2.4-2.5	Pulsed/CW	360B
WP484P7045UH(S)	DC-6.0	47	51	14.5	48	4.4-5.0	Pulsed/CW	360B
WP28010050UH(S)	DC-10	50	40	10	28	DC-9	Pulsed/CW	360B
WP483P6050UH_Ver1	DC-5.0	63	57.9	14	48	3.4-3.8	Pulsed/CW	580B
WP483P6050UH_Ver2	DC-5.0	75	54.9	12.67	48	3.4-3.8	Pulsed/CW	580B
WP48007050UH(S)	DC-8.0	50	60	14	48	4.4-5.0	Pulsed/CW	580B
WP284P7060UH(S)	DC-5.0	57	45.6	11	28	4.4-5.0	Pulsed/CW	580B
WP28010060UH(S)	DC-10.0	60	40	10	28	DC-7	Pulsed/CW	580B
WP482P9078UH	DC-5.0	103	53.8	12.9	48	2.7-3.2	Pulsed/CW	580B
WP483P7100UH	DC-5.0	100	54	11.5	48	3.4-3.7	Pulsed/CW	360B
WP483P3100UH	DC-5.0	50.8	58.8	50.8	48	3.1-3.5	Pulsed/CW	580B
WP482P45110UH_CW	DC-5.0	114	53	14.4	48	2.4-2.5	Pulsed/CW	580B
WP483P5130UH(S)	DC-5.0	141	65	14.6	48	3.5-3.6	Pulsed/CW	580B
WP482P45130UH(S)	DC-5.0	147	69	15.4	48	2.4-2.5	Pulsed/CW	580B
WP483P6130UH	DC-5.0	158	56	10.4	48	3.4-3.7	Pulsed/CW	580B
WP482P1140UH(S)	DC-5.0	145	58.6	12.7	48	2.11-2.17	Pulsed/CW	580B
WP483P5200UH(S)	DC-4.0	195	53.5	11.7	48	3.5-3.6	Pulsed/CW	580B
WP482P45300UH	DC-4.0	323	59	15	48	2.4-2.5	Pulsed/CW	560B

Part number	Frequency (GHz)	Psat (W)	PAE (%)	Power Gain (dB)	Operating Voltage (V)	Measurement Frequency (Ghz)	Test Signal	Package
WP483P5400US Ver1	DC-4.0	407	55	10.9	48	3.5-3.6	Pulsed/CW	560B
WP482P4130US_A400W	DC-3.5	410	65	14.6	48	2.4-2.5	Pulsed	580B*2
WP482P4130US_A400W	DC-3.5	280	53	14.6	48	2.4-2.5	CW	580B*2

Транзисторы согласованные (GaN)

Part number	Frequency (GHz)	Psat (W)	PAE (%)	Power Gain (dB)	Operating Voltage (V)	Measurement Frequency (GHz)	Test Signal	Package
WP2816P0008MH	15.75-16.25	8	25.8	9.7	28	15.75-16.25	Pulsed/CW	680B
WP2816P0010MH	15.75-16.25	10	26.2	9.7	28	15.75-16.25	Pulsed/CW	680B
WP287P2015MS(S)	6.95-7.45	18.8	57.8	13.17	28	6.95-7.45	Pulsed/CW	680B
WP2816P0020MH	15.75-16.25	20	27.3	9.7	28	15.75-16.25	Pulsed/CW	680B
WP286P25020MH(S)	5.8-6.7	22	32	11.6	28	5.8-6.8	Pulsed/CW	680B
WP286P0020MH	5.7-6.4	23	40	12.6	28	5.7-6.4	Pulsed/CW	680B
WP288P0015MH	7.8-8.2	15	45	10	28	7.8-8.2	Pulsed/CW	680B
WP288P0020MH(S)	7.9-8.4	20	35	10	28	7.9-8.4	Pulsed/CW	680B
WP288P0050MH	7.9-8.4	51	35	8	28	7.9-8.4	Pulsed/CW	680B
WP289P4020MH(S)	9.2-9.6	20	36	9.5	28	9.2-9.6	Pulsed/CW	680B
WP281P43060MH	1.38-1.48	60	65	19.0	28	1.38-1.48	Pulsed/CW	680B
WP485P03025(60)MH	5.03-5.09	25	26	14.5	48	5.03-5.09	Pulsed/CW	680B
WP485P03025MH	5.03-5.09	25	26	14.5	48	5.03-5.09	Pulsed/CW	680B
WP481P03078MH	1.03-1.09	78	40	19	48	1.03-1.09	Pulsed/CW	680B
WP481P3078MH	1.2-1.4	78	51	18.4	48	1.2-1.4	Pulsed/CW	680B
WP481P9078MH	1.93-1.99	78	56	17	48	1.93-1.99	Pulsed/CW	680B
WP482P1078MH	2.11-2.17	78	56	15.5	48	2.11-2.17	Pulsed/CW	680B
WP481P06100MH	1.03-1.09	100	62	21.0	48	1.03-1.09	Pulsed/CW	680BU
WP483P5200MH	3.5-3.6	190	57.3	11.2	48	3.5-3.6	Pulsed/CW	680B

Транзисторы (GaN, die)

Code name	Frequency (GHz)	Psat (W)	Power Gain (dB)	Quiescent Current (mA)	Operating Voltage (V)	Chip Size (µm x µm)
WP28010008	DC-10.0	8	10	100	28	1300 x 774
WP28015015	DC-15.0	15	10	200	28	2385 x 701
WP28020016	DC-20.0	16	10	260	28	4278 x 740
WP28015020	DC-15.0	20	10	300	28	3000 x 718
WP28015025	DC-15.0	25	10	300	28	3027 x 774
WP28020025	DC-20.0	25	10	380	28	5934 x 718
WP28010050	DC-10.0	50	9	300	28	3615 x 778
WP28015050	DC-15.0	50	10	400	28	6075 x 740
WP28010060	DC-10.0	60	13	200	28	3763 x 965
WP28015060	DC-15.0	60	10	410	28	6112 x 774

Code name	Frequency (GHz)	Psat (W)	Power Gain (dB)	Quiescent Current (mA)	Operating Voltage (V)	Chip Size (µm x µm)
WP48010010	DC-15.0	10	10	60	48	1040 x 680
WP48010015	DC-15.0	15	10	100	48	1300 x 680
WP48007015	DC-7.0	15	14	100	48	1040 x 870
WP48005020	DC-5.0	20	13.7	120	48	1170 x 850
WP48005025	DC-5.0	25	12.5	150	48	1130 x 930
WP48010030	DC-15.0	30	10	200	48	2816 x 678
WP48007030	DC-7.0	30	14	250	48	1130 x 930
WP48007045	DC-7.0	45	14	300	48	2310 x 870
WP48007060	DC-7.0	60	14	400	48	2820 x 870
WP48010062	DC-15.0	62	9	300	48	4848 x 678
WP48007070	DC-7.0	70	14	450	48	3070 x 870
WP48007078	DC-7.0	78	14	400	48	2440 x 930
WP48007104	DC-7.0	104	14	600	48	3710 x 850
WP48007130	DC-7.0	130	11	200	48	3710 x 930
WP48005145	DC-5.0	145	14	750	48	4980 x 850
WP48005200	DC-5.0	200	14	1000	48	5626 x 930
WP48005260	DC-5.0	260	14	1320	48	6893 x 940
WP48005340	DC-5.0	340	14	2100	48	8163 x 928