



Qorvo GaN Transistor Pairing with Controller & Switch

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November 2016

Model Number	Freq min (GHz)	Freq max (GHz)	Gain (dB)	Pout (W)	Vds (V)	Typ Eff (%)	Ids (A)	MOS size (A) min	Controller	Switch (Pulsed or CW)	Eval Board, Drop-In (Pulsed or CW)	Eval Board, Removable (Pulsed Only)
QPD0030	0.00	4.00	22	44	48.0	62%	1.47	2.9	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
QPD0050	0.00	3.60	22.5	66	48.0	70%	1.97	3.9	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
QPD0060	0.00	3.60	25	79	48.0	63%	2.63	5.3	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
QPD1000	0.03	1.22	19	21	28.0	68%	1.12	2.2	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
QPD1003	1.20	1.40	19.9	479	50.0	57%	16.88	33.8	100X,200X	362P,365C		
QPD1008	0.00	3.20	> 17	141	50.0	60%	4.71	9.4	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
QPD1008L	0.00	3.20	> 17	141	50.0	60%	4.71	9.4	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
QPD1009	0.00	4.00	24	15	50.0	62%	0.49	1.0	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
QPD1010	0.00	4.00	24.7	10	50.0	60%	0.33	0.7	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
QPD1015	0.00	3.70	20	63	50.0	64%	1.97	3.9	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
QPD1015L	0.00	3.70	20	63	50.0	64%	1.97	3.9	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
QPD1017	3.10	3.50	16	398	50.0	47%	16.94	33.9	100X,200X	362P,365C		
QPD1823	1.80	2.40	24	204	48.0	70%	6.08	12.2	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
QPD2730	2.58	2.64	15.9	200	48.0	43%	9.67	19.3	100X,200X	362P,365C	630E,640E	762E,765E
QPD2793	2.62	2.69	23	178	48.0	65%	5.70	11.4	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
QPD2795	2.50	2.70	22	324	48.0	62%	10.87	21.7	100X,200X	362P,365C	630E,640E	762E,765E
QPD2796	2.50	2.70	23	178	48.0	62%	5.98	12.0	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
QPD3601	3.40	3.60	22	162	50.0	56%	5.79	11.6	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
QPD3800	3.40	3.80	21	76	50.0	60%	2.53	5.1	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RF3826</u>	0.03	2.50	12	9	28	45%	0.71	1.4	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RF3833</u>	0.03	2.00	12	25	48	45%	1.16	2.3	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RF3932</u>	0.00	3.50	14	74	48	55%	2.81	5.6	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RF3934</u>	0.00	3.50	13	141	48	55%	5.35	10.7	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
<u>RFG1M09090</u>	0.70	1.00	20	90	48	50%	3.75	7.5	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RFG1M09180</u>	0.70	1.00	20	180	48	50%	7.50	15.0	100X,200X	362P,365C	630E,640E	762E,765E
<u>RFG1M20090</u>	1.80	2.20	14.5	90	48	50%	3.75	7.5	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RFG1M20180</u>	1.80	2.20	14.6	180	48	50%	7.50	15.0	100X,200X	362P,365C	630E,640E	762E,765E
<u>RFHA1000</u>	0.05	1.00	17	15	28	53%	1.00	2.0	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RFHA1003</u>	0.03	0.51	19	9	28	60%	0.53	1.1	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RFHA1004</u>	0.70	2.50	11	20	48	40%	1.04	2.1	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RFHA1006</u>	0.23	1.22	16	9	28	53%	0.60	1.2	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RFHA1021L</u>	2.70	3.10	27	79	50	47%	3.38	6.8	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
<u>RFHA1021U</u>	3.10	3.50	26	60	50	42%	2.87	5.7	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E



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Model Number	Freq min (GHz)	Freq max (GHz)	Gain (dB)	Pout (W)	Vds (V)	Typ Eff (%)	Ids (A)	MOS size (A) min	Controller	Switch (Pulsed or CW)	Eval Board, Drop-In (Pulsed or CW)	Eval Board, Removable (Pulsed Only)
RFHA1023A	1.20	1.40	15	251	36	50%	13.95	27.9	100X,200X	362P,365C	630E,640E	762E,765E
RFHA1025	0.96	1.22	17	280	50	50%	11.20	22.4	100X,200X	362P,365C	630E,640E	762E,765E
RFHA1027	1.20	1.40	16	501	50	55%	18.22	36.4	100X,200X	362P,365C	630E,640E	762E,765E
RFHA1028	1.20	1.40	26.5	158	45	48%	7.34	14.7	100X,200X	362P,365C	630E,640E	762E,765E
RFHA1042	0.23	0.45	18.5	125	48	51%	5.11	10.2	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
RFHA1043	1.20	1.85	13.6	150	48	51%	6.13	12.3	100X,200X	362P,365C	630E,640E	762E,765E
RFHA3832	0.03	1.00	15.5	12	48	48%	0.52	1.0	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
RFHA3942	0.00	3.50	22	35	48	58%	1.26	2.5	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
RFHA3942D	0.00	4.00	15.3	35	48	58%	1.26	2.5	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
RFHA3944	0.00	4.00	22	65	48	55%	2.46	4.9	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T1G2028536-FL	0.00	2.00	18	285	36	54%	14.66	29.3	100X,200X	362P,365C	630E,640E	762E,765E
T1G2028536-FS	0.00	2.00	18	285	36	54%	14.66	29.3	100X,200X	362P,365C	630E,640E	762E,765E
T1G3000532-SM	0.03	3.50	15.7	5	32	55%	0.28	0.6	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T1G4004532-FL	0.00	3.50	19	45	32	56%	2.51	5.0	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T1G4004532-FS	0.00	3.50	19	45	32	56%	2.51	5.0	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T1G4012036-FL	0.00	3.50	16	120	36	52%	6.41	12.8	100X,200X	362P,365C	630E,640E	762E,765E
T1G4012036-FS	0.00	3.50	16	120	36	52%	6.41	12.8	100X,200X	362P,365C	630E,640E	762E,765E
T1G4020036-FL	0.00	3.50	16	260	36	52%	13.89	27.8	100X,200X	362P,365C	630E,640E	762E,765E
T1G4020036-FS	0.00	3.50	16	260	36	52%	13.89	27.8	100X,200X	362P,365C	630E,640E	762E,765E
T1G6001032-SM	0.00	6.00	19	10	32	55%	0.57	1.1	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G4003532-FL	0.00	3.50	16	35	32	50%	2.19	4.4	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G4003532-FS	0.00	3.50	16	35	32	50%	2.19	4.4	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G4005528-FS	0.00	3.50	16	55	28	56%	3.51	7.0	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G6000528-Q3	0.00	6.00	17	10	28	55%	0.65	1.3	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G6001528-Q3	0.00	6.00	9	18	28	56%	1.15	2.3	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G6001528-SG	0.00	6.00	15	15	28	56%	0.96	1.9	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G6001528-XCC-1-Q3	0.00	6.00	9	18	28	56%	1.15	2.3	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G6003028-FL	0.00	6.00	14	30	28	50%	2.14	4.3	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G6003028-FS	0.00	6.00	14	30	28	50%	2.14	4.3	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
T2G6003028-XCC-1-FS	0.00	6.00	14	30	28	50%	2.14	4.3	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
TGF2819-FL	0.00	3.50	14	100	32	58%	5.39	10.8	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
TGF2819-FS	0.00	3.50	14	100	32	58%	5.39	10.8	100X,200X	332P,335C,362P,365C	630E,640E	732E,735E,762E,765E
TGF2929-FL	0.00	3.50	14	100	28	50%	7.14	14.3	100X,200X	362P,365C	630E,640E	762E,765E

