



Ampleon GaN Transistor Pairing with Controller & Switch

Sizing is based on individual GaN Peak Power Output and the current drawn determines the size of the MOS Switch. Multiple GaN devices per single MOS Switch is allowed if total current do not exceed the maximum. The list assumes that devices are operating in CW.

November 2016

Model Number	Freq min (GHz)	Freq max (MHz)	Gain (dB)	Pout (W)	Vds (V)	Typ Eff (%)	Test Signal	Ids (A)	MOS size (A) min	Controller	Switch (Pulsed or CW)	Eval Board, Drop-In (Pulsed or CW)	Eval Board, Removable (Pulsed Only)
CLF1G0035-200P	0	3500	14.0	200	50	46%	1-Tone Pulsed	8.7	17.4	100X,200X	362P,365C	630E,640E	762E,765E
CLF1G0035-100P	0	3500	12.7	100	50	50%	1-Tone Pulsed	4.0	8.0	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
CLF1G0035-50	0	3500	15.0	50	50	44%	Pulsed RF	2.3	4.5	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
CLF1G0035S-100P	0	3500	12.7	100	50	50%	1-Tone Pulsed	4.0	8.0	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
CLF1G0060-30	0	6000	14.5	30	50	50%	Pulsed RF	1.2	2.4	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
CLF1G0060-10	0	6000	17.0	10	50	33%	Pulsed RF	0.6	1.2	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
CLF1G0035S-200P	0	3500	14.0	200	50	48%	1-Tone Pulsed	8.3	16.7	100X,200X	362P,365C	630E,640E	762E,765E
CLF1G0060S-10	0	6000	17.0	10	50	33%	Pulsed RF	0.6	1.2	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
CLF1G0060S-30	0	6000	14.5	30	50	50%	Pulsed RF	1.2	2.4	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
CLF1G0035S-50	0	3500	15.0	50	50	44%	Pulsed RF	2.3	4.5	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
CLF1G0035-100	0	3500	14.0	100	50	53%	Pulsed RF	3.8	7.6	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E
CLF1G0035S-100	0	3500	14.0	100	50	53%	Pulsed RF	3.8	7.6	100X,200X	392P,395C,332P,335C	610E,620E	792E,795E,732E,735E