

eGaN FETs and ICs, Development Boards, Demonstration Boards and Evaluation Kits



eGaN FETs and ICs (15 V–80 V)

Part Number	Configuration	V _{DS} max	V _{GS} max	Max R _{DS(on)} (mΩ) @ 5 V _{GS}	Q _G typ (nC)	Q _{GS} typ (nC)	Q _{GD} typ (nC)	Q _{OSS} typ (nC)	Q _{RR} (nC)	C _{ISS} (pF)	C _{OSS} (pF)	C _{RSS} (pF)	I _D (A)	Pulsed I _D (A)	Max T _J (°C)	Package (mm)	Development Board
EPC2040	Single	15	6	30	0.745	0.23	0.14	0.42	0	86	67	20	3.4	28	150	BGA 0.85 x 1.2	n/a
EPC2216	Single–AEC-Q101	15	6	26	0.87	0.21	0.13	0.53	0	98	66	20	3.4	28	150	BGA 0.85 x 1.2	EPC9144
EPC2111	Half Bridge	30	6	19 8	1.7 4.5	0.6 1.4	0.3 0.8	3.3 9.6	0	190 495	170 490	21 8	16	50 140	150	BGA 3.5 x 1.5	EPC9086
EPC2100	Half Bridge	30	6	8.2 2.1	3.6 15	1.3 4.8	0.6 2.7	6.1 29	0	395 1630	290 1370	15 64	10 40	100 400	150	BGA 6.05 x 2.3	EPC9036
EPC2023	Single	30	6	1.45	19	5.7	3.2	30	0	2150	1530	100	90	590	150	LGA 6.05 x 2.3	EPC9031
EPC8004	Single	40	6	110	0.37	0.12	0.047	0.63	0	45	23	0.8	4	7.5	150	LGA 2.05 x 0.85	EPC9066
EPC2014C	Single	40	6	16	2	0.7	0.3	4	0	220	150	6.5	10	60	150	LGA 1.7 x 1.1	EPC9005C
EPC2015C	Single	40	6	4	8.7	2.7	1.2	19	0	980	710	18	53	235	150	LGA 4.1 x 1.6	n/a
EPC2055	Single	40	6	3.6	6.6	2.3	0.7	13	0	841	408	8.8	29	161	150	LGA 2.5 x 1.5	EPC90132
EPC2030	Single	40	6	2.4	17	5.8	3.4	32	0	1960	1120	62	48	490	150	BGA 4.6 x 2.6	n/a
EPC2069	Single	40	6	2.25	12.5	3.9	2.4	32	0	1351	1044	32	80	422	150	LGA 3.25 x 3.25	EPC90139
EPC2067	Single	40	6	1.55	17.1	5.3	2	37	0	2178	1071	24	69	409	150	LGA 2.85 x 3.25	EPC90138
EPC2024	Single	40	6	1.5	18	5.1	2.4	45	0	1920	1620	29	90	560	150	LGA 6.05 x 2.3	n/a
EPC2066	Single	40	6	1.1	25	8.9	3.2	59	0	3539	1670	30	90	639	150	LGA 6.05 x 2.3	EPC90149
EPC2035	Single	60	6	45	0.88	0.25	0.16	2.6	0	95	60	2	1.7	24	150	BGA 0.9 x 0.9	EPC9049
EPC2102	Half Bridge	60	6	4.9	8	2.5	1.5	26 31	0	850	500 610	11	30	220	150	BGA 6.05 x 2.3	EPC9038
EPC2031	Single	60	6	3	16	5	3	48	0	1640	980	35	48	450	150	BGA 4.6 x 2.6	EPC9061
EPC2101	Half Bridge	60	6	11.5 2.8	3.3 13	1.1 3.9	0.5 2.2	9.3 45	0	300 1200	200 1000	5 25	10 40	80 350	150	BGA 6.05 x 2.3	EPC9037
EPC2020	Single	60	6	2.2	16	3.9	2.3	50	0	1780	1020	24	90	470	150	LGA 6.05 x 2.3	EPC9033
EPC2219	Single with Gate Diode–AEC-Q101	65	6	3300	0.044	0.02	0.004	0.104	0	7	2	0.025	0.5	0.5	150	BGA 0.9 x 0.9	n/a
EPC8002	Single	65	6	480	0.133	0.057	0.015	0.344	0	20	6.7	0.12	2	2	150	LGA 2.05 x 0.85	EPC9022
EPC8009	Single	65	6	130	0.37	0.12	0.055	0.94	0	45	19	0.5	4	7.5	150	LGA 2.05 x 0.85	EPC9067
EPC2203	Single–AEC-Q101	80	5.75	80	0.67	0.22	0.12	3.6	0	73	47	0.5	1.7	17	150	BGA 0.9 x 0.9	n/a
EPC2039	Single	80	6	25	1.91	0.76	0.42	7.64	0	210	115	2	6.8	50	150	BGA 1.35 x 1.35	EPC9057
EPC2214	Single–AEC-Q101	80	6	20	1.8	0.5	0.3	8	0	198	129	1.8	10	47	150	BGA 1.35 x 1.35	n/a
EPC2202	Single–AEC-Q101	80	5.75	17	3.2	1	0.55	18	0	345	230	3	18	75	150	LGA 2.1 x 1.6	n/a
EPC2252	Single–AEC-Q101	80	6	11	3.5	1	0.5	15	0	440	190	1.3	8.2	75	150	BGA 1.5 x 1.5	EPC9179
EPC2103	Half Bridge	80	6	5.5	6.5	2.2	1.1	30 34	0	730	445 525	7	30	195	150	BGA 6.05 x 2.3	EPC9039
EPC2204A	Single–AEC-Q101	80	6	6	5.7	1.8	0.8	25	0	644	304	2.3	29	125	150	LGA 2.5 x 1.5	n/a
EPC2065	Single	80	6	3.6	9.4	2.6	1.7	33	0	1097	534	8.9	60	215	150	LGA 3.5 x 2	EPC90137
EPC2619	Single	80	6	3.3	8.3	2.1	1	27	0	1180	310	3	29	164	150	LGA 2.5 x 1.5	EPC90153
EPC2029	Single	80	6	3.2	13	3.4	1.9	53	0	1410	820	17	48	360	150	BGA 4.6 x 2.6	n/a
EPC2218A	Single–AEC-Q101	80	6	3.2	10.5	3.2	1.5	46	0	1189	562	4.3	60	231	150	LGA 3.5 x 1.95	n/a
EPC2105	Half Bridge	80	6	14.5 3.6	2.7 11	0.9 3	0.5 2.1	11 51	0	300 1170	170 780	3 12	10 40	70 300	150	BGA 6.05 x 2.3	EPC9041
EPC2021	Single	80	6	2.2	15	4.1	3	72	0	1610	1100	15	90	390	150	LGA 6.05 x 2.3	n/a
EPC2206	Single–AEC-Q101	80	6	2.2	15	4.1	3	72	0	1610	1100	15	90	390	150	LGA 6.05 x 2.3	EPC90122
UP1966E	Half Bridge Driver IC	80														BGA 1.6 x 1.6	EPC90123

eGaN FETs and ICs (100 V–350 V)

Part Number	Configuration	V _{DS} max	V _{GS} max	Max R _{DS(on)} (mΩ) @ 5 V _{GS}	Q _G typ (nC)	Q _{GS} typ (nC)	Q _{GD} typ (nC)	Q _{OSS} typ (nC)	Q _{RR} (nC)	C _{ISS} (pF)	C _{OSS} (pF)	C _{RSS} (pF)	I _D (A)	Pulsed I _D (A)	Max T _J (°C)	Package (mm)	Development Board
EPC2038	Single with Gate Diode	100	6	3300	0.044	0.02	0.004	0.134	0	7	1.6	0.02	0.5	0.5	150	BGA 0.9 x 0.9	EPC9507
EPC2037	Single	100	6	550	0.115	0.032	0.025	0.6	0	14	6.5	0.1	1.7	2.4	150	BGA 0.9 x 0.9	EPC9061
EPC2107	Dual with Sync Boot	100	6	390 3300	0.19 0.044	0.077 0.02	0.041 0.004	0.9/1.25 0.134	0	16 7	17 1.6	0.3 0.02	1.7 0.5	3.8 0.5	150	BGA 1.35 x 1.35	EPC9063
EPC8010	Single	100	6	160	0.36	0.13	0.06	2.2	0	43	25	0.3	4	7.5	150	LGA 2.05 x 0.85	EPC9068
EPC2036	Single	100	6	73	0.7	0.17	0.14	3.9	0	75	50	0.7	1.7	18	150	BGA 0.9 x 0.9	EPC9050
EPC2106	Half Bridge	100	6	70	0.73	0.24	0.140	3.96 4.68	0	79	52 61	0.5	1.7	18	150	BGA 1.35 x 1.35	EPC9055
EPC2221	Dual Common Source - AEC Q101	100	6	58	0.85	0.27	0.19	4.7	0	94	63	0.9	5	20	150	BGA 1.35 x 1.35	n/a
EPC2007C	Single	100	6	30	1.6	0.6	0.3	8.3	0	170	110	1.9	6	40	150	LGA 1.7 x 1.1	n/a
EPC2051	Single	100	6	25	1.8	0.6	0.3	7.3	0	224	86	1	1.7	37	150	LGA 1.3 x 0.85	EPC9091
EPC2016C	Single	100	6	16	3.4	1.1	0.55	16	0	360	210	3.2	18	75	150	LGA 2.1 x 1.6	n/a
EPC2212	Single - AEC-Q101	100	6	13.5	3.2	0.9	0.6	18	0	339	238	3	18	75	150	LGA 2.1 x 1.6	n/a
EPC2052	Single	100	6	13.5	3.5	1.5	0.5	13	0	441	195	3.2	8.2	74	150	BGA 1.5 x 1.5	EPC9092
EPC2044	Single	100	6	10.5	4.3	1.3	0.5	15	0	503	196	1.8	9.4	89	150	BGA 2.5 x 1.5	EPC90128
EPC2045	Single	100	6	7	6	1.9	0.8	25	0	767	295	3	16	130	150	BGA 2.5 x 1.5	n/a
EPC2001C	Single	100	6	7	7.5	2.4	1.2	31	0	770	430	10	36	150	150	LGA 4.1 x 1.6	n/a
EPC2104	Half Bridge	100	6	6.8	6.8	2.3	1.4	35 41	0	730	430 500	5	30	180	150	BGA 6.05 x 2.3	EPC9040
EPC2204	Single	100	6	6	5.7	1.8	0.8	25	0	644	304	2.3	29	125	150	LGA 2.5 x 1.5	EPC9097
EPC2032	Single	100	6	4	12	3	2	66	0	1270	800	12	48	340	150	BGA 4.6 x 2.6	n/a
EPC2053	Single	100	6	3.8	11.4	4.1	1.5	45	0	1453	642	10.4	48	246	150	BGA 3.5 x 2	n/a
EPC2306	Single	100	6	3.8	11.0		1.1	41	0	1544	482	3.4	48	197	150	QFN 3 x 5	EPC90145
EPC2022	Single	100	6	3.2	13.2	3.4	2.4	71	0	1400	840	7	90	390	150	LGA 6.05 x 2.3	n/a
EPC2218	Single	100	6	3.2	10.5	3.2	1.5	46	0	1189	562	4.3	60	231	150	LGA 3.5 x 1.95	EPC90123
EPC2088	Single	100	6	3.2	12.5	4.4	1.4	47	0	1864	557	3.6	60	231	150	LGA 3.5 x 1.95	EPC90123
EPC2071	Single	100	6	2.2	18	6	1.8	71	0	2664	878	5.4	64	350	150	LGA 4.45 x 2.3	EPC90146
EPC2302	Single	100	6	1.8	23	8	2.3	85	0	3200	1000	7	101	408	150	QFN 3 x 5	EPC90133/ EPC90142
EPC2110	Dual Common Source	120	6	110	0.8	0.25	0.18	4	0	85	45	1	3.4	20	150	BGA 1.35 x 1.35	EPC9058
EPC2033	Single	150	6	7	12	3.8	3.2	90	0	1160	480	6	48	260	150	BGA 4.6 x 2.6	EPC9047
EPC2308	Single	150	6	6	11	3.8	1.3	50	0	1454	405	2.6	48	157	150	QFN 3 x 5	EPC90148
EPC2305	Single	150	6	4	21	6.3	2.6	105	0	2900	920	7	80	329	150	QFN 3 x 5	EPC90143
EPC2059	Single	170	6	9	5.7	1.3	0.9	35	0	633	267	1.6	24	102	150	LGA 2.8 x 1.4	EPC9098
EPC2012C	Single	200	6	100	1	0.3	0.2	10	0	100	64	0.4	5	22	150	LGA 1.7 x 0.9	EPC9004C
EPC2019	Single	200	6	50	1.8	0.6	0.35	18	0	200	110	0.7	8.5	42	150	LGA 2.77 x 0.95	n/a
EPC2054	Single	200	6	43	2.9	0.9	0.30	15	0	358	89	0.3	3.0	32	150	BGA 1.3 x 1.3	EPC9094
EPC2010C	Single	200	6	25	3.7	1.3	0.7	40	0	380	240	1.8	22	90	150	LGA 3.6 x 1.6	n/a
EPC2207	Single	200	6	22	4.5	1.3	0.7	23	0	454	130	0.7	14	54	150	LGA 2.8 x 0.9	EPC90124
EPC2307	Single	200	6	10	10.6		1.3	58	0	1401	326	1.2	48	130	150	QFN 3 x 5	EPC90150
EPC2215	Single	200	6	8	13.6	3.3	2.1	69	0	1356	390	2	32	162	150	LGA 4.6 x 1.6	EPC9099
EPC2034C	Single	200	6	8	11.4	3.8	2.1	95	0	1166	630	2.8	48	213	150	BGA 4.6 x 2.6	n/a
EPC2304	Single	200	6	5	21	0.0	2.6	115	0	2786	649	2.4	102	260	150	QFN 3 x 5	EPC90140
EPC2050	Single	350	6	80	2.9	1.3	0.3	35	0	423	81	0.3	6.2	26	150	BGA 1.95 x 1.95	EPC90121

Rad Hard GaN FETs

Part Number	Configuration	V _{DS} max	V _{GS} max	Max R _{DS(on)} (mΩ) @ 5 V _{GS}	Q _G typ (nC)	Q _{GS} typ (nC)	Q _{GD} typ (nC)	Q _{OSS} typ (nC)	Q _{RR} (nC)	C _{ISS} (pF)	C _{OSS} (pF)	C _{RSS} (pF)	I _D (A)	Pulsed I _D (A)	Max T _J (°C)	Package (mm)	Development Board
EPC7019	Single – Rad Hard	40	6	1.5	22	7.6	3.4	51	0	2830	1660	35	85	530	150	LGA 6.05 x 2.3	n/a
EPC7014	Single – Rad Hard	60	7	340	142	43	25	764	0	16	17	0.1	2	4	150	BGA 0.9 x 0.9	n/a
EPC7003	Single – Rad Hard	100	6	30	1.8	0.6	0.3	9.4	0	230	119	0.6	10	42	150	LGA 1.7 x 1.1	n/a
EPC7004	Single – Rad Hard	100	6	7	6.4	2.2	1.1	37	0	817	485	2.3	60	160	150	LGA 4.1 x 1.6	n/a
EPC7018	Single – Rad Hard	100	6	3.9	15.2	4	2.6	77	0	1828	1025	5.8	90	345	150	LGA 6.05 x 2.3	n/a
EPC7007	Single – Rad Hard	200	6	25	5.4	1.5	1	37	0	525	256	1.5	20	80	150	LGA 3.6 x 1.6	n/a
EPC7020	Single – Rad Hard	200	6	11	11.7	3.5	2.2	76.0	0	1137	494	2.6	39	170	150	BGA 4.6 x 2.6	n/a

eGaN® Integrated Circuits

ePower™ Stage

Part Number	Configuration	Function	VPwr	I _{OUT}	I _{OUT} Peak	V _{DD}	Input Logic	F (Max)	UVLO	Package (mm)	Development Board
EPC2152	Half-Bridge ePower™ Stage	ePower™ Stage	80	12.5	90	12	3.3 V	3 MHz	7.5	LGA 3.9 x 2.6	EPC90120
EPC23101	HS FET + Driver + Level Shift	ePower™ Stage	100	65	240	6	5.5V	3 MHz	0.5– 4	QFN 3.5 x 5	EPC90142
EPC23102	HS FET + Driver + Level Shift	ePower™ Stage	100	35	140	6	5.5V	3 MHz	0.5– 4	QFN 3.5 x 5	EPC90147
EPC23103	HS FET + Driver + Level Shift	ePower™ Stage	100	25	61	6	3.3 V or 5 V	3 MHz	0.5– 4	QFN 3.5 x 5	EPC90151
EPC23104	HS FET + Driver + Level Shift	ePower™ Stage	100	15	44	6	3.3 V or 5 V	3 MHz	0.5– 4	QFN 3.5 x 5	EPC90152

eToF™ Laser Driver IC

Part Number	Configuration	Function	VPwr	I _{OUT}	I _{OUT} Peak	V _{DD}	Input Logic	F (Max)	UVLO	Package (mm)	Development Board
EPC21601	Single	eToF™ Laser Driver	40	3.7	10	5	3.3 V	200 MHz	0	BGA 1 x 1.5	EPC9154
EPC21603	Single	eToF™ Laser Driver	40	3.7	10	5	LVDS	200 MHz	0	BGA 1 x 1.5	EPC9156
EPC21701	Single	eToF™ Laser Driver	80	7.2	15	5	3.3 V	50 MHz	0	BGA 1.7 x 1	EPC9172

Half-Bridge Development Boards (30–80 V)

Part Number	Description	V _{DS} (max)	I _D (max RMS)	Featured Product
EPC9086	Power Stage Evaluation of Monolithic GaN Half Bridge	30	25	EPC2111
EPC9036	Power Stage Evaluation of Monolithic GaN Half Bridge	30	25	EPC2100
EPC9018	Half Bridge Plus Driver for Low Duty Cycle Applications	30	35	EPC2015C / EPC2023
EPC9031	Half Bridge Plus Driver	30	40	EPC2023
EPC9059	Half Bridge Parallel Evaluation For High Current Applications	30	50	EPC2100
EPC9066	Half Bridge Plus Driver with Synchronous Bootstrap	40	2.7	EPC8004
EPC9005C	Half Bridge Plus Driver	40	7	EPC2014C
EPC90138	Half Bridge Plus Driver	40	40	EPC2067
EPC90139	Half Bridge Plus Driver	40	40	EPC2069
EPC90149	Half Bridge Plus Driver	40	40	EPC2066
EPC9049	Half Bridge Plus Driver	60	40	EPC2024
EPC9038	Power Stage Evaluation of Monolithic GaN Half Bridge	60	20	EPC2102
EPC9037	Power Stage Evaluation of Monolithic GaN Half Bridge	60	22	EPC2101
EPC9061	Half Bridge Plus Driver	60	24	EPC2031
EPC9033	Half Bridge Plus Driver	60	40	EPC2020
EPC9067	Half Bridge Plus Driver with Synchronous Bootstrap	65	2.7	EPC8009
EPC9022	Half Bridge Plus Driver	65	1.6	EPC8002
EPC9057	Half Bridge Plus Driver	80	6	EPC2039
EPC90120	Half-Bridge Development Board for 80 V ePower™ Stage	80	10	EPC2152
EPC9039	Power Stage Evaluation of Monolithic GaN Half Bridge	80	17	EPC2103
EPC9041	Power Stage Evaluation of Monolithic GaN Half Bridge	80	20	EPC2105
EPC90153	Half Bridge Plus Driver	80	20	EPC2619
EPC90122	Half Bridge Plus Driver	80	40	EPC2206
EPC90135	Multiple Half Bridges in Parallel	80	45	EPC2218

Half-Bridge Development Boards (100–350 V)

Part Number	Description	V _{DS} (max)	I _D (max RMS)	Featured Product
EPC90123	Half Bridge Plus Driver	100	25	EPC2218
EPC9097	Half Bridge Plus Driver	100	1	EPC2037
EPC9087	Half Bridge Plus Driver	100	1	EPC2037
EPC9063	Half Bridge with Sync FET Bootstrap Gate Drive	100	1.5	EPC2107
EPC9050	Half Bridge Plus Driver	100	2.5	EPC2036
EPC9068	Half Bridge Plus Driver with Synchronous Bootstrap	100	2.7	EPC8010
EPC9055	Half Bridge Plus Driver	100	3	EPC2106
EPC9091	Half Bridge Plus Driver	100	5	EPC2051
EPC9092	Half Bridge Plus Driver	100	5	EPC2052
EPC90152	Half Bridge Plus Driver	100	14	EPC23104
EPC9040	Power Stage Evaluation of Monolithic GaN Half Bridge	100	15	EPC2104
EPC90151	Half Bridge Plus Driver	100	15	EPC23103
EPC90154	Half Bridge Plus Driver	100	25	EPC2088
EPC90147	Half Bridge Evaluation of ePower™ Stage IC	100	35	EPC23102
EPC90145	Half Bridge Plus Driver	100	45	EPC2306
EPC90133	Half Bridge Plus Driver	100	40	EPC2032
EPC90146	Half Bridge Plus Driver	100	45	EPC2071
EPC90142	Half Bridge Evaluation of ePower™ Chipset	100	65	EPC23101 / EPC2302
EPC9047	Half Bridge Plus Driver	150	12	EPC2033
EPC90148	Half Bridge Plus Driver	150	12	EPC2308
EPC90143	Half Bridge Plus Driver	150	25	EPC2305
EPC9098	Half Bridge Plus Driver	170	17	EPC2059
EPC9004C	Half Bridge Plus Driver	200	3	EPC2012C
EPC90150	Half Bridge Plus Driver	200	20	EPC2307
EPC90140	Half Bridge Plus Driver	200	30	EPC2304
EPC90121	Half Bridge Plus Driver	350	4	EPC2050

DrGaN^{PLUS}

Part Number	Description	V _{DS} (max)	I _D (max RMS)	Featured Product
EPC9201	PCB-based half-bridge circuit module	30	40	EPC2015C / EPC2023
EPC9203	PCB-based half-bridge circuit module	80	20	EPC2021
EPC9204	PCB-based GaN IC Power Module for High Frequency Point-of-Load	20	10	EPC2111
EPC9205	PCB-based GaN Power Module for 48 V–12 V Intermediate Bus Conversion	80	10	EPC2045

DC-DC Conversion

Part Number	Description	V _{IN}	V _{OUT}	I _{OUT} (A)	Featured Product
EPC9165	2 kW 48 V/14 V Bi-directional Power Module	20 V–60 V (Buck) 11.3 V–16 V (Boost)	5 V–16 V (Buck) 20 V–50 V (Boost)	140 A (Buck) 140 A (Boost)	EPC2302
EPC9174	1.2 kW LLC, Small (1/8 th Brick), Output Fixed Conversion Ratio	40 V–60 V	12 V	100	EPC2071 EPC2066
EPC9158	50 A Output Dual Phase Synchronous Buck Converter with Analog Controller	14 V–54 V	12 V	50 A	EPC2218
EPC9157	300 W 1/16 th Brick Evaluation Module	18 V–60 V	12 V	25 A	EPC2218
EPC9177	Small Area, Low-Profile, Synchronous Buck Converter Optimized for Computing Power Supplies and USB-PD	12 V - 64 V	12 V	20 A	EPC23102
EPC9160	Dual Output Synchronous Buck Converter	9 V–24 V	Dual Output: 5 V / 3.3 V	15 A	EPC2055
EPC9166	500 W 12 V Input Boost Converter	9 V–28 V	Reconfigurable: 36 V, 48 V, 60 V	16 A @ 36 V _{OUT} 11 A @ 48 V _{OUT} 8 A @ 60 V _{OUT}	EPC2218
EPC9148	48 V–19 V Ultra-thin, Multi-level Converter	44–60 V	19 V	12.5 A	EPC2053
EPC9153	250 W High Efficiency, Thin Buck Converter	44–60 V	12–20 V	12.5 A	EPC2218
EPC9162	Bi-directional 50 W (Boost) / 60 W (Buck) Evaluation Module	48 V (Buck) 12 V (Boost)	12 V (Buck) 60 V (Boost)	5 A (Buck) 0.85 A (Boost)	EPC2052

Lidar

Part Number	Description	V _{BUS} (max)	V _{INPUT} (max)	T _{pin} (min)	Max Pulse (A) (min)	Featured Product
EPC9144	High Current Pulsed Laser Diode Driver Demo Board	12 V	5 V	1 ns	28	EPC2216
EPC9154	High Current Pulsed Laser Diode Driver Demo Board	40 V	5 V	2 ns	10	EPC21601
EPC9156	High Current Pulsed Laser Diode Driver Demo Board	40 V	5 V	2 ns	10	EPC21603
EPC9172	High Current Pulsed Laser Diode Driver Demo Board	60 V	5 V	2 ns	15	EPC21701
EPC9126	High Current Pulsed Laser Diode Driver Demo Board	80 V	5 V	6 ns	75	EPC2212
EPC9126HC	High Current Pulsed Laser Diode Driver Demo Board	80 V	5 V	6 ns	150	EPC2001C
EPC9150	High Current Pulsed Laser Diode Driver Demo Board	160 V	5 V	1 ns	220	EPC2034C

Motor Drive

Part Number	Description	V _{IN}	I _{Phase} (A _{RMS})	f _{SW} (kHz)	Featured Product
EPC9146	400 W Motor Drive Demo	14–60	10	20–200	EPC2152
EPC9167	20 A _{RMS} 3-Phase BLDC Motor Drive Reference Design Board	14–60	20	20–250	EPC2065
EPC9176	20 A _{RMS} 3-Phase BLDC Motor Drive Reference Design Board	14–65	20	20–250	EPC23102
EPC9167HC	30 A _{RMS} 3-Phase BLDC Motor Drive Reference Design Board	14–60	30	20–250	EPC2065
EPC9173	35 A _{RMS} 3-Phase BLDC Motor Drive Reference Design Board	20–85	35	20–250	EPC23101

AC/DC Conversion

Part Number	Description	Class	Output Power	Operating Frequency	Featured Product
EPC9171	90–265 V _{RMS} Universal AC Input to 15 V–48 VDC, 5 A Output USB PD3.1	90–265 VAC _{RMS}	15–48 VDC	5 A	EPC2218

Schematics, bill of materials, and gerber files for all demo boards are available at epc-co.com/epc/Products/Demo-Boards



For More Information

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