

## Rad Hard GaN Packaged Discrettes

Part Number	Voltage (V)	I <sub>D</sub> (A)	Max R <sub>DS(on)</sub> (mΩ)	Max Q <sub>G</sub> (nC)	Package Size (mm)
FBG04N08A	40	8	28	2.8	3.4 x 3.4
FBG04N30B	40	30	8.5	11.4	5.7 x 3.9
EPC7019D	40	80	5	22	8.0 x 5.6
EPC7019G	40	95	4	22	8.0 x 5.6
EPC7014UB	60	1	580	184 (pC)	3.25 x 2.74
EPC7003A	100	10	45	2.2	3.4 X 3.4
FBG10N30B	100	30	12	11	5.7 x 3.9
EPC7004B	100	30	15	11	5.7 x 3.9
FBG10N05A	100	5	45	2.2	3.4 x 3.4
EPC7018D	100	74	6	11.7	8.0 X 5.6
EPC7018G	100	90	6	11.7	8.0 x 5.6
FBG20N04A	200	4	130	3	3.4 x 3.4
FBG20N18B	200	18	28	7	5.7 x 3.9
EPC7007B	200	18	28	5	5.7 x 3.9
EPC7020G	200	80	14.5	13.5	8.0 x 5.6
FBG30N04C	300	4	400	2.6	4.4 x 4.4
EPC7030G	300	50.0	32	15.00	8.0 x 5.6

## Rad Hard GaN on Ceramic Adaptor

Part Number	Voltage (V)	I <sub>D</sub> (A)	Max R <sub>DS(on)</sub> (mΩ)	Max Q <sub>G</sub> (nC)	Package Size (mm)
CDA04N08X2	40	8	16	2.8	2.3 x 1.7
EPC7002CDA	40	30	9	11.4	4.8 x 2.2
CDA04N30X1	40	30	9	11.4	4.8 x 2.2
CDA10N30X1	100	30	7	11	4.8 x 2.2
CDA10N05X2	100	5	30	2.2	2.3 x 1.7
CDA20N04X4	200	4	100	3	2.3 x 1.5
CDA20N18X3	200	18	25	6	4.2 x 2.2
CDA30N04X7	300	4	400	2.6	2.5 x 2.5

## Rad Hard GaN Drivers and Power Stages

Part Number	Description	Package Size (mm)
FBS-GAM01P-C-PSE	Single Output High-Speed eGaN <sup>®</sup> HEMT Gate Driver Development Module	12.7 x 9.5
FBS-GAM01P-R-PSE	Radiation-Hardened Single Output High-Speed eGaN <sup>®</sup> HEMT Gate Driver Module	12.7 x 9.5
FBS-GAM02P-C-PSE	50 V Multifunction Power eGaN <sup>®</sup> HEMT Gate Driver Development Module	25 x 19
FBS-GAM02P-R-PSE	50 V Radiation-Hardened Multifunction Power eGaN <sup>®</sup> HEMT Gate Driver Driver Module	25 x 19
FBS-GAM01-P-C50	50 V/12 A Single Low-Side Power Driver Development Module	19 x 9.7
FBS-GAM01-P-R50	50 V/12 A Radiation-Hardened Single Low-Side Power Driver Module	19 x 9.7
FBS-GAM01-P-C100	100 V/12 A Single Low-Side Power Driver Development Module	19 x 9.7
FBS-GAM01-P-R100	100 V/12 A Radiation-Hardened Single Low-Side Power Driver Module	19 x 9.7
FBS-GAM02-P-C50	50 V/ 10 A Multifunction Power Development Module	25 x 19
FBS-GAM02-P-R50	50 V/10 A Radiation-Hardened Multifunction Power Module	25 x 19
72-001	50 V/10 A Radiation-Hardened Multifunction Power Module Parylene Coated	25 x 19
FBS-GAM04-P-C50	50 V/10 A Dual Low-Side Power Driver Development Module	25 x 19
FBS-GAM04-P-C100	100 V/10 A Dual Low-Side Power Driver Development Module	25 x 19

## Demonstration Boards

Part Number	Description	Voltage (V)	I <sub>D</sub> (max) (A)	Featured Product
EPC7C001	<b>FBS-GAM01P-R-PSE</b> and <b>FBG04N30B</b> Switching Evaluation Board	40	14.3	<b>FBS-GAM01P-R-PSE / FBG04N30B</b>
EPC7C002	<b>FBS-GAM01P-R-PSE</b> and <b>FBG10N30B</b> Switching Evaluation Board	100	15.3	<b>FBS-GAM01P-R-PSE / FBG10N30B</b>
EPC7C003	<b>FBS-GAM01P-R-PSE</b> and <b>FBG20N18B</b> Switching Evaluation Board	200	30	<b>FBS-GAM01P-R-PSE / FBG20N18B</b>

## Point of Load Evaluation Boards

Part Number	Description	V <sub>DD</sub> (V)	I <sub>OUT</sub> (max) (A)	f <sub>S</sub> (max) (MHz)	Featured Product
EPC7C005	<b>FBS-GAM02-P-R50</b> Point of Load Evaluation Board	50	10	1	<b>FBS-GAM02-P-R50</b>

## Motor Drive Evaluation Boards

Part Number	Description	V <sub>DD</sub> (V)	I <sub>Phase</sub> (A)	f <sub>S</sub> (max) (MHz)	Features / Comments
EPC7C006	<b>FBS-GAM02-P-C50</b> Multiphase Motor Drive Evaluation Board	10	50	1	<ul style="list-style-type: none"> <li>• Single-, Two- and Three-Phase Motor Driver</li> <li>• Stand-Alone, or</li> <li>• Optimized Interface to EPC9147 Microcontroller Motor Control Board</li> <li>• Multiple User Selectable Options for Maximum Versatility</li> <li>• Multiple PWM Drive Options</li> <li>• On-Card or External 5V Bias Option</li> <li>• Built-In Dead Time Option</li> <li>• VDD and Phase Current Sense</li> <li>• VDD and Phase Voltage Sense</li> <li>• Phase Output Filter Option</li> <li>• Over-Temperature Protection</li> <li>• Power Good Sensing and Protection</li> <li>• Hall-Effect Sensor Inputs</li> <li>• Streamlines Motor Driver Development and Implementation</li> </ul>

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