

Achieve Superior Performance with our latest GaN FET Solutions



LOW VOLTAGE											
Central Item No.	Maximum Ratings ($T_A = 25^\circ\text{C}$ unless otherwise noted)				Electrical Characteristics: ($T_A = 25^\circ\text{C}$ unless otherwise noted)					Package	Central Die Item No.
	V_{DS} (V) MAX	V_{GS} (V) MAX	I_D (A) MAX	I_{DM} (A) MAX	$r_{DS(ON)}$ (m Ω) MAX	$V_{GS(th)}$ (V) MAX	Q_g (nC) TYP	Q_{gd} (nC) TYP	Q_{gs} (nC) TYP		
CCSPG0420N*	40	6.0	20	100	4.0	2.4	15.8	8.6	1.9	CSP2X2	CPG005
CCSPG0450N*	40	-4.0 to +6.0	50	200	1.5	2.3	28	4.6	6.2	CSP5X4	CPG006
CCSPG1060N	100	-4.0 to +8.0	60	—	5.5	2.5	9.2	1.9	1.7	CSP3.5X2	CPG001
NEW CCSPG1560N*	150	-4.0 to +6.0	60	—	7.0	2.1	13	2.0	3.0	CSP4X6	CPG008
NEW CCSPG1510N*	150	-4.0 to +6.0	100	—	3.9	2.1	20	3.5	5.0	CSP4X6	CPG009

HIGH VOLTAGE											
Central Item No.	Maximum Ratings ($T_A = 25^\circ\text{C}$ unless otherwise noted)				Electrical Characteristics: ($T_A = 25^\circ\text{C}$ unless otherwise noted)					Package	Central Die Item No.
	V_{DS} (V) MAX	V_{GS} (V) MAX	I_D (A) MAX	I_{DM} (A) MAX	$r_{DS(ON)}$ (m Ω) MAX	$V_{GS(th)}$ (V) MAX	Q_g (nC) TYP	Q_{gd} (nC) TYP	Q_{gs} (nC) TYP		
CDFG6511N	650	-1.4 to +7.0	11.5	20.5	190	2.5	2.8	1.1	0.25	DFN5X6A	CPG003
CDFG6517N	650	-1.4 to +7.0	17	32	140	2.5	3.5	1.2	0.3	DFN5X6A	CPG004
CDFG6511N*	650	-1.4 to +7.0	11.5	20.5	190	2.5	2.8	1.1	0.25	DFN8X8	CPG003
CDFG6517N*	650	-1.4 to +7.0	17	32	140	2.5	3.5	1.2	0.3	DFN8X8	CPG004
NEW CDFG6558N*	650	-6.0 to +7.0	29	58	80	2.5	6.2	2.2	0.5	DFN8X8	CPG010
NEW CDFG67032N*	700	-6.0 to +7.0	18	32	140	2.5	3.5	1.2	0.3	DFN5X6A	CPG011

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