

Power Interface Products



HEXFET POWER MODULES

PART NUMBER	V _{DS} (V)	I _D MAX. (1) @ T _C = 45°C (AMPS)	MAX. R _{DS(ON)} PER SWITCH		V _{SD} (2) PER SWITCH		TYPICAL R _{THJC} (K/W)	CIRCUIT	CASE OUTLINE NUMBER (7)	NOTES	CASE STYLE
			LOW SIDE (OHMS)	HIGH SIDE (OHMS)	LOW SIDE (VOLTS)	HIGH SIDE (VOLTS)					

3φ BRIDGES for brushless DC motors

IRFT004	50	3.3	0.24	0.50	1.0	-5.5	10.8	B	CP1	—	POWERLINE 1
CPY301F	50	3.3	0.24	0.50	1.0	1.5	10.8	C	CP1	(4)(6)	POWERLINE 1
CPX303A	60	17.5	0.05	0.05	1.6	1.6	3.8	A	CP2	—	POWERLINE 2
IRFT002	60	6.1	0.10	0.28	1.25	-6.3	5.6	B	CP1	—	POWERLINE 1
CPY302F	60	6.1	0.10	0.28	1.25	1.5	5.6	C	CP1	(4)(6)	POWERLINE 1
CPX313A	100	7.8	0.18	0.18	2.5	2.5	5.3	A	CP2	—	POWERLINE 2
IRFT001	100	3.6	0.30	0.60	2.5	-6.3	7.5	B	CP1	—	POWERLINE 1
CPY312F	100	3.6	0.30	0.60	2.5	1.5	7.5	C	CP1	(4)(6)	POWERLINE 1

FULL BRIDGES for stepper motors, brush DC motors, servo amplifiers, power supplies

CPY203E	60	10.1	0.05	0.14	1.6	1.5	5.6	E	CP1	(3)(4)(6)	POWERLINE 1
IRFT003	60	6.1	0.10	0.28	1.25	-6.3	3.8	F	CP1	—	POWERLINE 1
CPY213E	100	6.1	0.18	0.30	2.5	1.5	5.3	E	CP1	(3)(4)(6)	POWERLINE 1
CPX234A	250	9.0	0.28	0.28	1.8	1.8	1.8	D	CP2	—	POWERLINE 2
CPX233A	250	5.9	0.45	0.45	2.0	2.0	2.6	D	CP2	—	POWERLINE 2
CPX254A	500	5.3	0.85	0.85	2.0	2.0	1.8	D	CP2	—	POWERLINE 2
CPX253A	500	3.3	1.50	1.50	1.6	1.6	2.6	D	CP2	—	POWERLINE 2
CPW256K	500	16.0	0.27	0.27	1.3	1.3	0.6	I	CP3	(5)	POWERLINE 3
CPW255K	500	10.5	0.40	0.40	1.4	1.4	1.0	I	CP3	(5)	POWERLINE 3

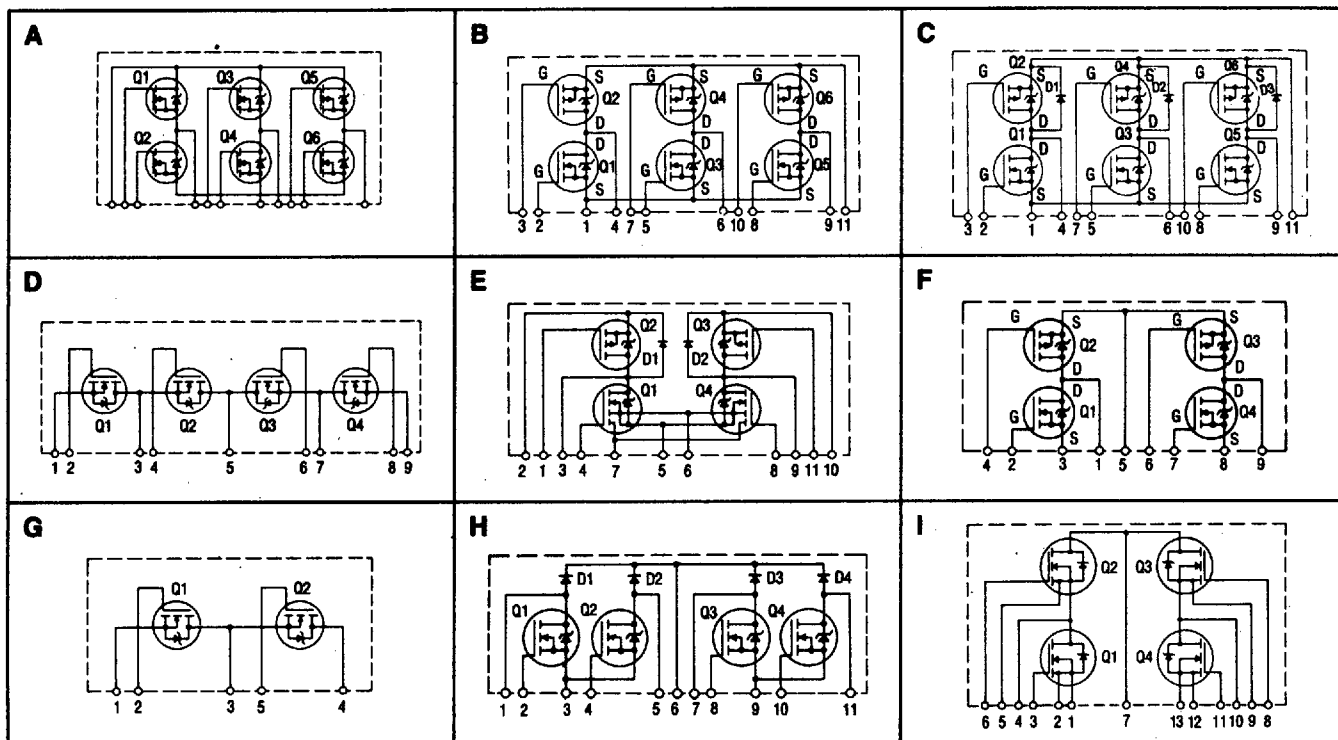


HALF BRIDGES for high-power motor and power supply applications

CPY135K	250	17.5	0.14	0.14	1.8	1.8	1.0	G	CP1	—	POWERLINE 1
CPY155K	500	10.5	0.40	0.40	1.4	1.4	1.0	G	CP1	—	POWERLINE 1

UNIPOLAR DRIVE for stepper motors, solenoid drives

CPY402H	60	10.0	0.10	—	1.25	1.5	5.6	H	CP1	(4)(6)	POWERLINE 1
CPY400H	100	7.8	0.18	—	2.5	1.5	5.3	H	CP1	(4)(6)	POWERLINE 1



(1) Complementary pair; p-channel limited where applicable. (2) Typical; consult the data sheet for conditions. (3) Contains HEXSense® current-sensing die. (4) Includes freewheeling diodes across the p-channel die. (5) Employs gate-source zener diodes for ESD protection. (6) VSD value given for reverse conduction through freewheeling diode. (7) For case outline drawing see rear of section