



HiPerFET™ Power MOSFET Chips

N-Channel Enhancement-Mode with Fast Intrinsic Diode

Type $T_{j,c} = 150^{\circ}\text{C}$	V_{DS} max.	$R_{\theta(jc)}$ max.	$\theta_{j(c)}$	C_{iss}	t_{sw} max.	Chip type	Chip size dimensions		Source \odot bond wire recommend.	Equivalent device data sheet	Dim. out- line No.
	V	Ω	$^{\circ}\text{C}/\text{W}$	pF	ns		mm	mil			
IXFD76N07-7X	70	0.012	5	4400	200	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH76N07-12	29
IXFD180N07-9X		0.006	5	9400	200	I9X	14.20 x 10.60	559 x 417	15 mil x 6	IXFX180N10	23
IXFD340N07-9Y		0.004	5	16000	200	I9Y	15.81 x 14.31	623 x 563	15 mil x 12	IXFN340N07	21
IXFD67N10-7X	100	0.025	5	4500	200	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH67N10	29
IXFD75N10-7X		0.02	5	4500	200	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH75N10	29
IXFD75N10Q-7X		0.02	5	3700	200	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH75N10Q	29
IXFD80N10Q-8X		0.015	5	4600	200	I8X	12.2 x 7.20	480 x 283	15 mil x 4	IXFH80N10Q	25
IXFD170N10-9X		0.01	5	9400	200	I9X	14.20 x 10.60	559 x 417	15 mil x 6	IXFK170N10	23
IXFD230N10-9Y		0.006	5	16000	200	I9Y	15.81 x 14.31	623 x 563	15 mil x 12	IXFN230N10	21
IXFD70N15-7X	150	0.028	5	3600	250	I7X	8.84 x 7.18	348 x 283	15 mil x 3.	IXFH70N15	29
IXFD50N20-7X	200	0.045	5	4400	200	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH50N20	29
IXFD50N20Q-7X		0.045	5	3700	200	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH50N20Q	29
IXFD80N20Q-8X		0.03	5	4600	200	I8X	12.2 x 7.20	480 x 283	15 mil x 4	IXFH80N20Q	25
IXFD90N20Q-8Y		0.022	5	7200	250	IX8YM	13.97 x 9.02	550 x 355	15 mil x 6	IXFX90N20Q	22
IXFD120N20-9X		0.017	5	9400	250	I9X	14.20 x 10.60	559 x 417	15 mil x 6	IXFX120N20	23
IXFD180N20-9Y		0.012	5	16000	250	I9Y	15.81 x 14.31	623 x 563	15 mil x 12	IXFN180N20	21
IXFD40N30-7X	300	0.088	5	4200	250	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFM40N30	29
IXFD40N30Q-7X		0.088	5	3700	250	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH40N30Q	29
IXFD52N30Q-8X		0.06	5	4600	250	I8X	12.2 x 7.20	480 x 283	15 mil x 4	IXFH52N30Q	25
IXFD90N30-9X		0.033	5	9400	250	I9X	14.20 x 10.60	559 x 417	15 mil x 6	IXFX90N30	23
IXFD130N30-9Y		0.02	5	16000	250	I9Y	16.72 x 14.38	658 x 566	15 mil x 12	IXFN130N30	21
IXFD13N50-5X		500	0.4	5	2800	250	I5X	6.59 x 6.59	259 x 259	15 mil x 1	IXFH13N50
IXFD21N50-7X	0.25		5	4200	250	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH21N50	29
IXFD24N50-7X	0.23		5	4200	250	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH24N50	29
IXFD32N50Q-8X	0.16		5	4600	250	I8X	12.2 x 7.20	480 x 283	15 mil x 3	IXFH32N50Q	25
IXFD48N50Q-8Y	0.11		5	7200	250	IX8YM	13.98 x 9.02	550 x 355	15 mil x 6	IXFK48N50Q	22
IXFD55N50-9X	0.09		5	9450	250	I9X	14.20 x 10.60	559 x 417	15 mil x 6	IXFK55N50	23
IXFD80N50-9Y	0.055		5	16000	250	I9Y	16.72 x 14.38	658 x 566	15 mil x 12	IXFN80N50	21
IXFD15N60-7X	600		0.5	5	4500	250	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH15N60
IXFD20N60-7X		0.35	5	4500	250	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH20N60	29
IXFD26N60Q-8X		0.25	5	4600	250	I8X	12.2 x 7.20	480 x 283	15 mil x 4	IXFH26N50Q	25
IXFD44N60-9X		0.13	5	9450	250	I9X	14.20 x 10.60	559 x 417	12 mil x 6	IXFX44N60	23
IXFD60N60-9Y		0.09	5	16000	250	I9Y	16.72 x 14.38	658 x 566	12 mil x 12	IXFN60N60	21
IXFD8N80-5T	800	1.1	4	2600	250	I5T	6.61 x 6.73	260 x 265	10 mil x 4	IXFH8N80	8
IXFD14N80-7X		0.7	5	4200	250	I7X	8.84 x 7.19	348 x 283	15 mil x 3.	IXFH14N80	29
IXFD20N80Q-8X		0.45	5	4600	250	I8X	12.19 x 7.19	480 x 283	12 mil x 4	IXFH20N80Q	25
IXFD34N80-9X		0.24	5	9450	250	I9X	14.20 x 10.60	559 x 417	12 mil x 6	IXFX34N80	23
IXFD44N80-9Y		0.15	5	16000	250	I9Y	16.72 x 14.38	658 x 566	12 mil x 12	IXFN44N80	21
IXFD6N90-5T	900	1.8	3	2600	250	I5T	6.61 x 6.73	260 x 265	10 mil x 4	IXFH6N90	8
IXFD10N90-7L		1.1	5	4000	250	I7L	8.91 x 7.22	351 x 284	12 mil x 4	IXFH10N90	15
IXFD12N90-7L		0.9	5	4000	250	I7L	8.91 x 7.22	351 x 284	12 mil x 4	IXFH12N90	15
IXFD13N90Q-7Q		0.9	5	2700	250	I7Q	8.91 x 7.22	351 x 284	10 mil x 6	IXFH13N90Q	6
IXFD16N90Q-8X		0.6	5	4600	250	I8X	12.19 x 7.19	480 x 283	12 mil x 4	IXFH16N90Q	25
IXFD26N90-9X		0.33	5	6900	250	I9X	14.20 x 10.60	559 x 417	10 mil x 6	IXFK26N90	23
IXFD39N90-9Y		0.22	5	13500	250	I9Y	16.72 x 14.38	658 x 566	10 mil x 12	IXFN39N90	21
IXFD6N100-5T		1000	2	3	2600	250	I5T	6.61 x 6.73	260 x 265	10 mil x 4	IXFH6N100
IXFD10N100-7L	1.2		5	4000	250	I7L	8.91 x 7.22	351 x 284	12 mil x 4	IXFH10N100	15
IXFD12N100-7L	1.05		5	4000	250	I7L	8.91 x 7.22	351 x 284	12 mil x 4	IXFH12N100	15
IXFD12N100Q-7Q	1.1		5	2700	250	I7Q	8.91 x 7.22	351 x 284	10 mil x 6	IXFH12N100Q	6
IXFD14N100Q-8X	0.75		5	4600	250	I8X	12.19 x 7.19	480 x 283	12 mil x 4	IXFH14N100Q	25
IXFD24N100-9X	0.5		5	6900	250	I9X	14.20 x 10.60	559 x 417	10 mil x 6	IXFK24N100	23
IXFD36N100-9Y	0.25		5	13500	250	I9Y	16.72 x 14.38	658 x 566	10 mil x 12	IXFN36N100	21

② Recommended Gate bond wire is 8 mil respectively.

IXYS reserves the right to change limits, test conditions and dimensions.