



HiPerFET™ Power MOSFET Chips

N-Channel Enhancement-Mode with Fast Intrinsic Diode

Type $T_{stg} = 150^{\circ}\text{C}$	V_{DS} max.	$R_{\theta(jc)}$ max.	β	C_{iss}	t_{on} max.	Chip type	Chip size dimensions		Source & bond wire recommend.	Equivalent device data sheet	Dim. out- line No.
	V	Ω	A	pF	ns		mm	mil			
IXFD76N07-12	70	0.012	5	4400	200	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH76N07-12	4
IXFD67N10	100	0.025	5	4500	200	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH67N10	4
IXFD75N10		0.02	5	4500	200	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH75N10	4
IXFD170N10		0.01	5	10300	250	IX92	12.19 x 12.70	480 x 500	15 mil x 5	IXFN170N10	5
IXFD42N20	200	0.06	5	4400	200	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH42N20	4
IXFD50N20		0.045	5	4400	200	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH50N20	4
IXFD68N20		0.035	5	5680	250	IX84	12.19 x 7.19	480 x 283	15 mil x 4	IXFH68N20	11
IXFD90N20Q		0.025	5	11000	200	IX9U	9.02 x 13.98	355 x 550	15 mil x 6	IXFK90N20Q	12
IXFD110N20		0.02	5	10300	250	IX92	12.19 x 12.70	480 x 500	15 mil x 5	IXFK110N20	5
IXFD35N30	300	0.01	5	4800	200	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH35N30	4
IXFD40N30		0.088	5	4800	200	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFM40N30	4
IXFD13N50	500	0.4	5	2800	250	IX54	7.51 x 5.87	296 x 231	15 mil x 1	IXFH13N50	13
IXFD21N50		0.25	5	4200	250	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH21N50	4
IXFD24N50		0.23	5	4200	250	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH24N50	4
IXFD30N50		0.16	5	5680	250	IX84	12.19 x 7.19	480 x 283	15 mil x 4	IXFH30N50	11
IXFD50N50		0.1	5	9450	250	IX92	12.19 x 12.70	480 x 500	15 mil x 5	IXFK50N50	5
IXFD58N50		0.085	5	11000	250	IX9T ①	13.00 x 15.62	512 x 615	15 mil x 6	IXFN58N50	14
IXFD22N55	550	0.27	5	4200	250	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH22N55	4
IXFD15N60	600	0.5	5	4500	250	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH15N60	4
IXFD20N60		0.35	5	4500	250	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH20N60	4
IXFD7N80	800	1.4	3.5	2600	250	IX5T	6.61 x 6.73	260 x 265	10 mil x 4	IXFH7N80	8
IXFD8N80		1.1	4	2600	250	IX5T	6.61 x 6.73	260 x 265	10 mil x 4	IXFH8N80	8
IXFD11N80		0.95	5	4200	250	IX7L	8.91 x 7.22	351 x 284	12 mil x 4	IXFH11N80	15
IXFD13N80		0.8	5	4200	250	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH13N80	4
IXFD14N80		0.7	5	4200	250	IX77	8.84 x 7.19	348 x 283	15 mil x 3 ③	IXFH14N80	4
IXFD6N90	900	1.8	3	2600	250	IX5T	6.61 x 6.73	260 x 265	10 mil x 4	IXFH6N90	8
IXFD10N90-L		1.1	5	4200	250	IX7L	8.91 x 7.22	351 x 284	12 mil x 4	IXFH10N90	15
IXFD12N90-L		0.9	5	4200	250	IX7L	8.91 x 7.22	351 x 284	12 mil x 4	IXFH12N90	15
IXFD6N100	1000	2	3	2600	250	IX5T	6.61 x 6.73	260 x 265	10 mil x 4	IXFH6N100	8
IXFD10N100		1.2	5	4000	250	IX7L	8.91 x 7.22	351 x 284	12 mil x 4	IXFH10N100	15
IXFD12N100		1.05	5	4000	250	IX7L	8.91 x 7.22	351 x 284	12 mil x 4	IXFH12N100	15
IXFD14N100		0.75	5	4500	200	IX84	12.19 x 7.19	480 x 283	15 mil x 4	IXFH14N100	11

① Current Mirror and Kelvin need to be connected to Source if not used.

② Recommended Gate bond wire is 8 mil resp. 6 mil at ③ types.

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