



## Standard Power MOSFET and MegaMOS™ FET Chips

### N-Channel Enhancement-Mode

Type $T_{j,c} = 150^{\circ}\text{C}$	$V_{DS}$ max.	$R_{\theta(jc)}$ max.	$I_D$		$C_{iss}$ typ.	$t_r$ typ.	Chip type	Chip size dimensions		Source $\emptyset$ bond wire recommend	Equivalent device data sheet	Dim. out- line No.
	V	$\emptyset$	A	pF	ns	mm		mil				
IXTD67N10-7X IXTD75N10-7X	100	0.025 0.02	5 5	4500 4500	300 300	IX7X	8.84 x 7.19	348 x 283	15 mil x 3	IXTH67N10 IXTH75N10	29 29	
IXTD42N20-7X IXTD50N20-7X	200	0.06 0.045	5 5	4600 4600	400 400	IX7X	8.84 x 7.19	348 x 283	15 mil x 3	IXTH42N20 IXTH50N20	29 29	
IXTD40N25-6X	250	0.085	5	3800	370	IX6X	8.65 x 6.52	341 x 257	15 mil x 3	IXTH40N25	24	
IXTD40N30-7X	300	0.088	5	4600	400	IX7X	8.84 x 7.19	348 x 283	15 mil x 3	IXTM40N30	29	
IRFC450-5X IRFC460-6X IXTD21N50-7X IXTD24N50-7X	500	0.4 0.27 0.25 0.23	5 5 5 5	2800 3800 4200 4200	500 570 600 600	IX5X IX6X IX7X IX7X	6.59 x 6.59 8.65 x 6.52 8.84 x 7.19 8.84 x 7.19	259 x 259 341 x 257 348 x 283 348 x 283	15 mil x 1 15 mil x 2 15 mil x 3 15 mil x 3	IRFP450 IRFP460 IXTH21N50 IXTH24N50	26 24 29 29	
IXTD15N60-7X IXTD20N60-7X	600	0.5 0.35	5 5	4500 4500	600 600	IX7X	8.84 x 7.19	348 x 283	15 mil x 3	IXTH15N60 IXTH20N60	29 29	
IXTD2N80-2L IXTD6N80-5T IXTD11N80-7L	800	6.5 1.8 0.95	1 3 5	500 2800 4500	600 900 900	IX2L IX5T IX7L	3.17 x 3.17 6.73 x 6.61 8.91 x 7.22	125 x 125 265 x 260 351 x 284	10 mil x 1 10 mil x 4 12 mil x 4	IXTP2N80 IXTH6N80 IXTH11N80	31 8 5	
IXTD6N90-5T IXTD10N90-7L IXTD12N90-7L	900	1.8 1.1 0.9	3 5 5	2600 4500 4500	900 900 900	IX5T IX7L IX7L	6.61 x 6.73 8.91 x 7.22 8.91 x 7.22	260 x 265 351 x 284 351 x 284	10 mil x 4 12 mil x 4 12 mil x 4	IXTH6N90 IXTH10N90 IXTH12N90	8 5 5	
IXTD01N100-1M IXTD1N100-2L IXTD2N100-3T IXTD5N100-5T IXTD10N100-7L IXTD14N100-8X	1000	80 11 7 2.4 1.2 0.82	0.1 0.5 1 2.5 5 5	80 500 820 2600 4000 5200	1000 900 1000 900 1000 900	IX1M IX2L IX3T IX5T IX7L IX8X	1.96 x 1.68 3.17 x 3.17 4.39 x 3.60 6.73 x 6.61 8.91 x 7.22 12.19 x 7.19	77 x 66 125 x 125 173 x 142 265 x 260 351 x 284 480 x 283	3 mil x 1 10 mil x 1 12 mil x 1 10 mil x 4 12 mil x 4 15 mil x 3	IXTU01N100 IXTP1N100 IXTP2N100 IXTH5N100 IXTH10N100 IXTH14N100	30 31 6 8 5 25	

### P-Channel Enhancement-Mode

Type $T_{j,c} = 150^{\circ}\text{C}$	$V_{DS}$ max.	$R_{\theta(jc)}$ max.	$I_D$		$C_{iss}$ typ.	$t_r$ typ.	Chip type	Chip size dimensions		Source $\emptyset$ bond wire recommend	Equivalent device data sheet	Dim. out- line No.
	V	$\emptyset$	A	pF	ns	mm		mil				
IXTD7P50 IXTD8P50 IXTD10P50 IXTD11P50	500	1.5 1.2 0.9 0.75	3.5 4 5 5	3400 3400 4700 4700	400 400 500 500	IX57 IX57 IX77 <sup>②</sup> IX77 <sup>②</sup>	6.58 x 6.58 6.58 x 6.58 8.84 x 7.19 8.84 x 7.19	259 x 259 259 x 259 348 x 283 348 x 283	20 mil x 1 20 mil x 1 15 mil x 3 <sup>④</sup> 15 mil x 3	IXTH7P50 IXTH8P50 IXTH10P50 IXTH11P50	2 2 4 4	

② Recommended Gate bond wire is 8 mil except 6 mil except for IXTH10P50 and IXTH11P50 types.