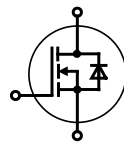

























# Ultra Junction Power MOSFETs



Part Type	V <sub>DSS</sub>	I <sub>D(cont)</sub> Chip T <sub>C</sub> = 25°C	R <sub>DS(on)</sub> T <sub>J</sub> = 25°C	C <sub>ISS</sub> typ.	Q <sub>g</sub> typ.	t <sub>rr</sub> typ.	R <sub>thJC</sub>	P <sub>D</sub>	Fig. No.	Package style
> New	V	A	Ω	pF	nC	ns	K/W	W		Outline drawings on pages O-36...O-59
<b>135 V Ultra Junction X4-Class Power MOSFETs</b>										
> IXTP 170N13X4	135	170	0.0063	5460	105	86	0.31	480	X005a	X004 TO-252AA 
<b>150 V Ultra Junction X4-Class Power MOSFETs</b>										
> IXTA 100N15X4	150	100	0.0115	3970	74	90	0.40	375	X011b	X005a TO-220AB 
> IXTP 100N15X4		100	0.0115	3970	74	90	0.40	375	X005a	
> IXTH 130N15X4		130	0.0085	4770	87	93	0.31	400	X014a	X007a TO-220FPAB 
> IXTP 130N15X4		130	0.0085	4770	87	93	0.31	400	X005a	
> IXTA 130N15X4		130	0.0080	4770	87	93	0.31	400	X011b	X011b TO-263AB 
> IXTA 130N15X4-7		130	0.0080	4770	87	93	0.31	400	X012c	
> IXTH 150N15X4		150	0.0072	5500	105	100	0.31	480	X014a	X012c TO-263AB 
> IXTP 150N15X4		150	0.0072	5500	105	100	0.31	480	X005a	
> IXTA 150N15X4		150	0.0069	5500	105	100	0.31	480	X011b	X020a TO-247AD 
> IXTA 150N15X4-7		150	0.0069	5500	105	100	0.31	480	X012c	
> IXTH 240N15X4		240	0.0044	8900	195	130	0.16	940	X014a	X015a PLUS247 
> IXTT 240N15X4HV		240	0.0044	8900	195	130	0.16	940	X019a	
> IXTK 400N15X4		400	0.0031	14500	430	175	0.10	1500	X020a	X017a TO-3P 
> IXTN 400N15X4		400	0.0031	14500	430	175	0.14	1070	X027a	
> IXTX 400N15X4		400	0.0031	14500	430	175	0.10	1500	X015a	X019a TO-268AAHV 
<b>200 V X3-Class HiPerFET™ Power MOSFETs with Fast Body Diodes</b>										
IXFA 36N20X3	200	36	0.0450	1425	21	75	0.73	170	X011b	X015a PLUS247 
IXFP 36N20X3		36	0.0450	1425	21	75	0.73	170	X005a	
IXFP 36N20X3M		36	0.0450	1425	21	75	3.50	36	X007a	X017a TO-3P 
IXFY 36N20X3		36	0.0450	1425	21	75	0.73	170	X004	
IXFA 50N20X3		50	0.0300	2100	33	70	0.52	240	X011b	X019a TO-268AAHV 
IXFP 50N20X3		50	0.0300	2100	33	70	0.52	240	X005a	
IXFP 50N20X3M		50	0.0300	2100	33	70	3.70	34	X007a	X020a TO-264 
IXFA 72N20X3		72	0.0200	3780	55	95	0.39	320	X011b	
IXFP 72N20X3		72	0.0200	3780	55	95	0.39	320	X005a	X027a TO-264 
IXFP 72N20X3M		72	0.0200	3780	55	95	3.50	36	X007a	
IXFQ 72N20X3		72	0.0200	3780	55	95	0.39	320	X017a	X019a TO-268AAHV 
IXFA 90N20X3		90	0.0128	5420	78	95	0.32	390	X011b	
IXFH 90N20X3		90	0.0128	5420	78	95	0.32	390	X014a	X020a TO-264 
IXFP 90N20X3		90	0.0128	5420	78	95	0.32	390	X005a	
IXFP 90N20X3M		90	0.0128	5420	78	95	3.50	36	X007a	X019a TO-268AAHV 
IXFQ 90N20X3		90	0.0128	5420	78	95	0.32	390	X017a	
IXFH 140N20X3		140	0.0096	7660	127	105	0.26	480	X014a	X020a TO-264 
IXFQ 140N20X3		140	0.0096	7660	127	105	0.26	480	X017a	
IXFT 140N20X3HV		140	0.0096	7660	127	105	0.26	480	X019a	X027a TO-264 
IXFN 220N20X3		160	0.0062	13600	204	128	0.32	390	X027a	
IXFH 180N20X3		180	0.0075	10300	154	120	0.17	735	X014a	X027a TO-264 
IXFT 180N20X3HV		180	0.0075	10300	154	120	0.17	735	X019a	
IXFH 220N20X3		220	0.0062	13600	204	128	0.14	890	X014a	X027a TO-264 
IXFK 220N20X3		220	0.0062	13600	204	128	0.14	890	X020a	
IXFT 220N20X3HV		220	0.0062	13600	204	128	0.14	890	X019a	X027a TO-264 
IXFK 300N20X3		300	0.0040	23800	375	172	0.10	1250	X020a	
IXFN 300N20X3		300	0.0035	23800	375	172	0.18	695	X027a	X027a 227B SOT-miniBLOC 
IXFX 300N20X3		300	0.0040	23800	375	172	0.10	1250	X015a	