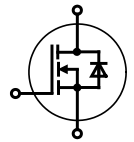

























# Ultra Junction Power MOSFETs



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 TO-264 
IXFP 36N20X3		36	0.0450	1425	21	75	0.73	170	X005a	
IXFP 36N20X3M		36	0.0450	1425	21	75	3.50	36	X007a	X020a TO-264 
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	X017a TO-3P 
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	