

Very High Voltage Power MOSFETs (2 - 4.5 kV)



Part Type	V _{DS}	I _{D(on)} Chip T _C = 25°C	R _{DS(on)} T _J = 25°C	C _{iss}	Q _g	t _r	R _{thJC}	P _D	Fig. No.	Package style Outline drawings on pages O-31...O-52
➤ New	V	A	Ω	typ. pF	typ. nC	typ. ns	K/W	W		
➤ IXTH 1N200P3	2000	1.0	40	646	23.5	2300	1.0	125	X014a	X003 TO-251AA
➤ IXTH 1N200P3HV		1.0	40	646	23.5	2300	1.0	125	X014c	
➤ IXTA 1N200P3HV		1.0	40	646	23.5	2300	1.0	125	X011c	
➤ IXTH 06N220P3HV	2200	0.6	80	290	10.4	1100	1.2	104	X014c	
➤ IXTH 1R8N220P3HV		1.8	21.5	965	31	1300	0.64	194	X014c	
IXTA 02N250HV	2500	0.2	450	116	7.4	1500	1.5	83	X011c	X004 TO-252AA
IXTH 02N250		0.2	450	116	7.4	1500	1.5	83	X014a	
IXTH 05N250P3HV		0.5	110	303	10.5	1200	1.2	104	X014c	
IXTF 1N250		1.0	40	1660	41	2500	1.13	110	X024c	
IXTH 1R4N250P3		1.4	28	960	33	1800	0.64	195	X014a	
IXTH 1N250		1.5	40	1660	41	2500	0.5	250	X014a	X005a TO-220AB
IXTT 1N250HV		1.5	40	1660	41	2500	0.5	250	X019a	
IXTN 5N250		5.0	8.8	8560	200	1200	0.18	700	X027a	
IXTK 5N250		5.0	8.8	8560	200	1200	0.13	960	X020a	
IXTX 5N250		5.0	8.8	8560	200	1200	0.13	960	X015a	
➤ IXTH 04N300P3HV	3000	0.4	190	283	13	1100	1.2	104	X014c	X005a TO-220AB
➤ IXTT 1N300P3HV		1.0	50	895	30.6	1800	0.64	195	X019a	
➤ IXTH 1N300P3HV		1.0	50	895	30.6	1800	0.64	195	X014c	
IXTH 02N450HV	4500	0.2	625	246	10.6	1600	1.1	113	X014c	
IXTF 02N450		0.2	625	246	10.6	1600	1.6	78	X024c	
IXTT 02N450HV		0.2	625	246	10.6	1600	1.1	113	X019a	X011c TO-263ABHV
IXTF 1N450		0.9	80	1700	46	1750	0.77	165	X024c	
IXTT 1N450HV		1.0	80	1700	46	1750	0.24	520	X019a	
➤ IXTH 1N450HV		1.0	80	1700	46	1750	0.24	520	X014c	
IXTL 2N450		2.0	20	6860	180	1750	0.56	220	X022e	

Legacy (Standard) Power MOSFETs

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➤ New	V	A	Ω	typ. pF	typ. nC	typ. ns	K/W	W		
IXTU 01N100	1000	0.1	80	60	8.0	1500	3.0	25	X003	X015a PLUS247
IXTY 01N100		0.1	80	60	8.0	1500	3.0	25	X004	
IXTP 05N100		0.75	17	260	7.8	710	3.1	40	X005a	
IXTU 05N100		0.75	17	260	7.8	710	3.1	40	X003	
IXTY 05N100		0.75	17	260	7.8	710	3.1	40	X004	
IXTA 05N100		0.75	17	260	7.8	710	3.1	40	X011b	X016c ISO247™
➤ IXTA 05N100HV		0.75	17	260	7.8	710	3.1	40	X011c	
IXTP 1N100		1.5	11	480	23.0	710	2.3	54	X005a	
IXTA 1N100		1.5	11	480	23.0	710	2.3	54	X011b	
IXTP 2N100		2.0	7.0	825	18.0	800	1.25	100	X005a	
IXTA 2N100		2.0	7.0	825	18.0	800	1.25	100	X011b	X022e ISOPLUS264/I5-Pak
IXTX 24N100		24.0	0.4	8700	267	850	0.22	568	X015a	
IXTP 3N120	1200	3.0	4.5	1050	39.0	700	0.62	200	X005a	
IXTH 3N120		3.0	4.5	1050	39.0	700	0.80	100	X014a	
IXTA 3N120		3.0	4.5	1050	39.0	700	0.62	200	X011b	
➤ IXTA 3N120HV		3.0	4.5	1050	39.0	700	0.62	200	X011c	X024c ISOPLUS I4-PAC™
IXTH 6N120		6.0	2.4	1950	56.0	850	0.42	300	X014a	
IXTT 6N120		6.0	2.4	1950	56.0	850	0.42	300	X019	
➤ IXTA 3N150HV	1500	3.0	7.3	1375	38.6	900	0.50	110	X011c	
IXTH 3N150		3.0	7.3	1375	38.6	900	0.50	250	X014a	
➤ IXTH 3N150		2.5	8.0	1375	38.6	900	1.13	250	X016c	X024c ISOPLUS I4-PAC™
➤ IXTA 4N150HV		4.0	6.0	1576	44.5	900	0.45	280	X011c	
IXTH 4N150		4.0	6.0	1576	44.5	900	0.45	280	X014a	
➤ IXTH 4N150		2.5	6.0	1576	44.5	900	1.13	110	X016c	
➤ IXTT 4N150HV		4.0	6.0	1576	44.5	900	0.45	280	X019a	
IXTH 6N150		6.0	3.5	2230	67.0	1500	0.23	540	X014a	X019a
➤ IXTH 6N150		3.0	3.85	2230	67.0	1500	1.0	125	X016c	
IXTT 6N150		6.0	3.5	2230	67.0	1500	0.23	540	X014a	
➤ IXTT 12N150HV		12.0	2.0	3720	106	1200	0.14	890	X019a	