

TrenchT2™ Power MOSFETs



Part Type	V _{DS}	I _{DS(on)} Chip T _C = 25°C	R _{DS(on)} T _C = 25°C	C _{iss}	Q _g	t _{sw}	R _{thJA}	P _D	Fig. No.	Package style Outline drawings on pages O-31...O-52
> New	V	A	Ω	pF	nC	ns	K/W	W		
IXTP 100N04T2	40	100	0.007	2690	25.5	34	1	150	X005a	D5
IXTA 100N04T2		100	0.007	2690	25.5	34	1	150	X011b	
IXTP 120N04T2		120	0.0061	3240	58	35	0.75	200	X005a	
IXTA 120N04T2		120	0.0061	3240	58	35	0.75	200	X011b	
IXTP 160N04T2		160	0.005	4640	79	40	0.6	250	X005a	
IXTA 160N04T2		160	0.005	4640	79	40	0.6	250	X011b	
IXTP 220N04T2		220	0.0035	6820	112	45	0.42	360	X005a	
IXTA 220N04T2		220	0.0035	6820	112	45	0.42	360	X011b	
IXTP 300N04T2		300	0.0025	10700	145	53	0.31	480	X005a	
IXTH 300N04T2		300	0.0025	10700	145	53	0.31	480	X014a	
IXTA 300N04T2		300	0.0025	10700	145	53	0.31	480	X011b	
IXTH 420N04T2		420	0.002	19700	315	74	0.16	935	X014a	
IXTH 500N04T2		500	0.0016	25000	405	84	0.15	1000	X014a	
IXTT 500N04T2		500	0.0016	25000	405	84	0.15	1000	X019	
IXTX 600N04T2		600	0.0015	40000	590	100	0.12	1250	X015a	
IXTN 600N04T2		600	0.00105	40000	590	100	0.16	940	X027a	
IXTK 600N04T2		600	0.0015	40000	590	100	0.12	1250	X020a	
IXTA 90N05T2	55	90	0.0084	2770	42	37	1	150	X011b	
IXTP 90N05T2		90	0.0084	2770	42	37	1	150	X005a	
IXTY 90N05T2		90	0.0084	2770	42	37	1	150	X004	
IXTP 110N05T2		110	0.0066	3060	57	38	0.82	180	X005a	
IXTA 110N05T2		110	0.0066	3060	57	38	0.82	180	X011b	
IXTP 140N05T2		140	0.0054	4760	82	40	0.6	250	X005a	
IXTA 140N05T2		140	0.0054	4760	82	40	0.6	250	X011b	
IXTP 200N05T2		200	0.0042	6970	109	49	0.42	360	X005a	
IXTA 200N05T2		200	0.0042	6970	109	49	0.42	360	X011b	
IXTP 260N05T2		260	0.0033	10800	140	60	0.31	480	X005a	
IXTH 260N05T2		260	0.0033	10800	140	60	0.31	480	X014a	
IXTA 260N05T2		260	0.0033	10800	140	60	0.31	480	X011b	
IXTH 360N05T2		360	0.0024	20000	330	78	0.16	935	X014a	
IXTT 360N05T2		360	0.0024	20000	330	78	0.16	935	X019	
IXTH 440N05T2		440	0.0018	25000	405	76	0.15	1000	X014a	
IXTT 440N05T2		440	0.0018	25000	405	76	0.15	1000	X019	
IXTX 550N05T2		550	0.0016	40000	595	100	0.12	1250	X015a	
IXTN 550N05T2		550	0.0013	40000	595	100	0.16	940	X027a	
IXTK 550N05T2		550	0.0016	40000	595	100	0.12	1250	X020a	
IXTZ 550N05T2		550	0.001	40000	595	100	0.25	600	D5	
IXTP 130N06T2	65	130	0.0066	4800	79	41	0.6	250	X005a	
IXTA 130N06T2		130	0.0066	4800	79	41	0.6	250	X011b	
IXTP 70N07T2	75	70	0.012	2580	46	48	1	150	X005a	
IXTA 70N07T2		70	0.012	2580	46	48	1	150	X011b	
IXTP 90N07T2		90	0.01	3290	54	50	0.82	180	X005a	
IXTA 90N07T2		90	0.01	3290	54	50	0.82	180	X011b	
IXTP 120N07T2		120	0.0077	4740	78	50	0.6	250	X005a	
IXTA 120N07T2		120	0.0077	4740	78	50	0.6	250	X011b	
IXTP 170N07T2		170	0.0054	6860	109	63	0.42	360	X005a	
IXTA 170N07T2		170	0.0054	6860	109	63	0.42	360	X011b	
IXTP 230N07T2		230	0.0042	10.5	178	66	0.31	480	X005a	
IXTA 230N07T2		230	0.0042	10.5	178	66	0.31	480	X011b	
IXTP 80N12T2	120	80	0.017	4740	80	90	0.46	325	X005a	
IXTA 80N12T2		80	0.017	4740	80	90	0.46	325	X011b	

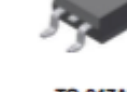
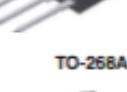
TrenchT2™ Power MOSFETs



TrenchT2™ in SMPD Package

Part Type	V _{DS}	I _{D(on)} Chip T _C = 25°C	R _{DS(on)} T _C = 25°C	C _{iss}	Q _s	t _{rr}	R _{thJC}	P _D	Fig. No.	Package style Outline drawings on pages O-31...O-52
➤ New	V	A	Ω	pF	nC	ns	K/W	W		
➤ MMIX 1T600N04T2	40	600	0.0013	40000	590	100	0.18	830	X031a	
➤ MMIX 1T550N05T2	55	550	0.0013	40000	595	100	0.18	830		
➤ MMIX 1F520N07T2	75	500	0.0016	41000	545	150	0.18	830		

TrenchT2™ HiPerFETs

IXFP 230N07T2	75	230	0.0042	10500	178	59	0.31	480	X007a	
IXFH 230N07T2		230	0.0042	10500	178	59	0.31	480	X014a	
IXFA 230N07T2		230	0.0042	10500	178	59	0.31	480	X011b	
IXFH 340N07T2		340	0.0032	19000	300	75	0.16	935	X014a	
IXFT 340N07T2		340	0.0032	19000	300	75	0.16	935	X019	
IXFH 400N07T2		400	0.0023	24000	420	77	0.15	1000	X014a	
IXFT 400N07T2		400	0.0023	24000	420	77	0.15	1000	X019	
IXFZ 520N07T2		465	0.0013	41000	545	n/a	0.25	600	D5	
IXFN 520N07T2		480	0.0019	41000	545	n/a	0.16	940	X027a	
IXFX 520N07T2		520	0.0022	41000	545	n/a	0.12	1250	X015a	
IXFK 520N07T2		520	0.0022	41000	545	n/a	0.12	1250	X020a	
IXFP 130N10T2	100	130	0.0091	6600	130	n/a	0.42	360	X007a	
IXFA 130N10T2		130	0.0091	6600	130	n/a	0.42	360	X011b	
IXFP 180N10T2		180	0.006	10500	185	66	0.31	480	X007a	
IXFA 180N10T2		180	0.006	10500	185	66	0.31	480	X011b	
IXFH 320N10T2		320	0.0035	25000	430	98	0.15	1000	X014a	
IXFT 320N10T2		320	0.0035	26000	430	98	0.15	1000	X019	
IXFP 76N15T2	150	76	0.02	5800	97	69	0.43	350	X007a	
IXFA 76N15T2		76	0.02	5800	97	69	0.43	350	X011b	
IXFP 110N15T2		110	0.013	8600	150	85	0.31	480	X007a	
IXFH 110N15T2		110	0.013	8600	150	85	0.31	480	X014a	
IXFA 110N15T2		110	0.013	8600	150	85	0.31	480	X011b	
IXFH 160N15T2		160	0.009	15000	253	n/a	0.17	880	X014a	
IXFX 240N15T2		240	0.0052	32000	460	n/a	0.12	1250	X015a	
IXFN 240N15T2		240	0.0052	32000	460	n/a	0.18	830	X027a	
IXFK 240N15T2		240	0.0052	32000	460	n/a	0.12	1250	X020a	
IXFN 360N15T2		310	0.004	47500	715	n/a	0.14	1070	X027a	
IXFX 360N15T2		360	0.004	47500	715	n/a	0.09	1670	X015a	
IXFK 360N15T2		360	0.004	47500	715	n/a	0.09	1670	X020a	
IXFX 220N17T2	170	220	0.0063	31000	500	n/a	0.12	1250	X015a	
IXFK 220N17T2		220	0.0063	31000	500	n/a	0.12	1250	X020a	
IXFN 320N17T2		260	0.0052	45000	640	n/a	0.14	1070	X027a	
IXFX 320N17T2		320	0.0052	45000	640	n/a	0.09	1670	X015a	
IXFK 320N17T2		320	0.0052	45000	640	n/a	0.09	1670	X020a	
IXFH 150N17T2	175	150	0.012	14600	233	n/a	0.17	880	X014a	
IXFT 150N17T2		150	0.012	14600	233	n/a	0.17	880	X019	