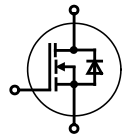


















PolarP2™ Power MOSFETs



Part Type	V _{DSS} V	I _{D(cont)} Chip T _C = 25°C A	R _{DS(on)} T _J = 25°C Ω	C _{iss} typ. pF	Q _g typ. nC	t _{rr} typ. ns	R _{thJC} K/W	P _D W	Fig. No.	Package style Outline drawings on pages O-36...O-59
PolarP2™ Standard Power MOSFETs										
IXTH 450P2	500	16	0.330	2530	43	400	0.42	300	X014a	X005a TO-220AB 
IXTP 450P2		16	0.330	2530	43	400	0.42	300	X005a	
IXTQ 450P2		16	0.330	2530	43	400	0.42	300	X017a	X011b TO-263AB 
IXTA 460P2		24	0.270	2890	48	400	0.26	480	X011b	
IXTH 460P2		24	0.270	2890	48	400	0.26	480	X014a	X014a TO-247AD 
IXTP 460P2		24	0.270	2890	48	400	0.26	480	X005a	
IXTQ 460P2		24	0.270	2890	48	400	0.26	480	X017a	X014a TO-247AD 
IXTQ 470P2		42	0.145	5400	88	400	0.15	830	X017a	
IXTQ 480P2		52	0.120	6800	108	400	0.13	960	X017a	
PolarP2™ HiPerFET™ MOSFETs with Fast Intrinsic Diode										
IXFQ 24N50P2	500	24	0.270	2890	48	200	0.26	480	X017a	X015a PLUS247 
IXFH 42N50P2		42	0.145	5300	92	250	0.15	830	X014a	
IXFT 42N50P2		42	0.145	5300	92	250	0.15	830	X019	X016c ISO247™ 
IXFH 52N50P2		52	0.120	6800	113	250	0.13	960	X014a	
IXFT 52N50P2		52	0.120	6800	113	250	0.13	960	X019	X017a TO-3P 
IXFN 94N50P2		68	0.055	13700	220	250	0.16	780	X027a	
IXFK 94N50P2		94	0.055	14200	228	250	0.10	1300	X020a	X017a TO-3P 
IXFX 94N50P2		94	0.055	14200	228	250	0.10	1300	X015a	
IXFB 120N50P2		120	0.043	19000	300	300	0.07	1890	X021a	X019 TO-268AA 

PolarP3™ HiPerFET™ Power MOSFETs

Part Type	V _{DSS} V	I _{D(cont)} Chip T _C = 25°C A	R _{DS(on)} T _J = 25°C Ω	C _{iss} typ. pF	Q _g typ. nC	t _{rr} max. (typ.) ns	R _{thJC} K/W	P _D W	Fig. No.	Package style Outline drawings on pages O-36...O-59
IXFP 36N30P3	300	36	0.1100	2040	30	-125	0.36	347	X005a	X020a TO-264 
IXFA 36N30P3		36	0.1100	2040	30	-125	0.36	347	X011b	
IXFH 94N30P3		94	0.0360	5510	102	250	0.12	1040	X014a	X021a PLUS264 
IXFQ 94N30P3		94	0.0360	5510	102	250	0.12	1040	X017a	
IXFT 94N30P3		94	0.0360	5510	102	250	0.12	1040	X019	X022a ISOPLUS264™ 
IXFL 210N30P3		108	0.0160	16200	268	250	0.24	520	X022a	
IXFK 120N30P3		120	0.0270	8630	150	250	0.11	1130	X020a	X022a ISOPLUS264™ 
IXFX 120N30P3		120	0.0270	8630	150	250	0.11	1130	X015a	
IXFK 150N30P3		150	0.0190	12100	197	250	0.10	1300	X020a	X027a SOT-227B 
IXFX 150N30P3		150	0.0190	12100	197	250	0.10	1300	X015a	
IXFN 210N30P3		192	0.0145	16200	268	250	0.08	1500	X027a	X027a SOT-227B 
IXFB 210N30P3		210	0.0145	16200	268	250	0.07	1890	X021a	
IXFJ 26N50P3	500	14	0.2650	2220	42	250	0.69	180	X016c	X027a SOT-227B 
IXFA 16N50P3		16	0.3600	1515	29	250	0.38	330	X011b	
IXFH 16N50P3		16	0.3600	1515	29	250	0.38	330	X014a	
IXFP 16N50P3		16	0.3600	1515	29	250	0.38	330	X005a	
IXFA 20N50P3		20	0.3000	1800	36	250	0.36	380	X011b	
IXFH 20N50P3		20	0.3000	1800	36	250	0.36	380	X014a	
IXFP 20N50P3		20	0.3000	1800	36	250	0.36	380	X005a	
IXFP 20N50P3		20	0.3000	1800	36	250	0.36	380	X005a	