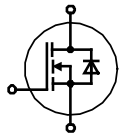


PolarP2™ Power MOSFETs



Part Type	V _{DSS}	I _{D(cont)} Chip T _C = 25°C	R _{DS(on)} T _J = 25°C	C _{iss} typ.	Q _g typ.	t _{rr} typ.	R _{thJC}	P _D	Fig. No.	Package style	
➤ New	V	A	Ω	pF	nC	ns	K/W	W		Outline drawings on pages O-29...O-51	
PolarP2™ Standard Power MOSFETs										X005a	TO-220AB
➤ IXTH 450P2	500	16	0.33	2530	43	400	0.42	300	X014a		
➤ IXTP 450P2		16	0.33	2530	43	400	0.42	300	X005a		
➤ IXTQ 450P2		16	0.33	2530	43	400	0.42	300	X017a		
➤ IXTA 460P2		24	0.27	2890	48	400	0.26	480	X011b		
➤ IXTH 460P2		24	0.27	2890	48	400	0.26	480	X014a		
➤ IXTP 460P2		24	0.27	2890	48	400	0.26	480	X005a		
➤ IXTQ 460P2		24	0.27	2890	48	400	0.26	480	X017a		
➤ IXTQ 470P2		42	0.145	5400	88	400	0.15	830	X017a		
➤ IXTQ 480P2		52	0.12	6800	108	400	0.13	960	X017a		
PolarP2™ HiPerFETs with Fast Intrinsic Diode										X014a	TO-247AD
➤ IXFQ 24N50P2	500	24	0.27	2890	48	200	0.26	480	X017a		
➤ IXFH 42N50P2		42	0.145	5300	92	250	0.15	830	X014a		
➤ IXFT 42N50P2		42	0.145	5300	92	250	0.15	830	X019		
➤ IXFH 52N50P2		52	0.12	6800	113	250	0.13	960	X014a		
➤ IXFT 52N50P2		52	0.12	6800	113	250	0.13	960	X019		
➤ IXFK 74N50P2		74	0.077	9900	165	250	0.089	1400	X020a		
➤ IXFX 74N50P2		74	0.077	9900	165	250	0.089	1400	X015a		
➤ IXFK 94N50P2		94	0.055	14200	228	250	0.096	1300	X020a		
➤ IXFX 94N50P2		94	0.055	14200	228	250	0.096	1300	X015a		
➤ IXFB 120N50P2		120	0.043	19000	300	300	0.066	1890	X021a		

PolarP3™ HiPerFETs

Part Type	V _{DSS}	I _{D(cont)} Chip T _C = 25°C	R _{DS(on)} T _J = 25°C	C _{iss} typ.	Q _g typ.	t _{rr} typ.	R _{thJC}	P _D	Fig. No.	Package style	
➤ New	V	A	Ω	pF	nC	ns	K/W	W		Outline drawings on pages O-29...O-51	
PolarP3™ HiPerFETs										X019	TO-268AA
➤ IXFH60N50P3	500	60	0.1	6250	96	250	0.120	1040	X014a		
➤ IXFQ60N50P3		60	0.1	6250	96	250	0.120	1040	X017a		
➤ IXFT60N50P3		60	0.1	6250	96	250	0.120	1040	X019		
➤ IXFK78N50P3		78	0.068	9900	147	250	0.110	1130	X020a		
➤ IXFX78N50P3		78	0.068	9900	147	250	0.110	1130	X015a		
➤ IXFK98N50P3		98	0.05	13100	197	250	0.096	1300	X020a		
➤ IXFX98N50P3		98	0.05	13100	197	250	0.096	1300	X015a		
➤ IXFN132N50P3		112	0.039	18600	250	250	0.083	1500	X027a		
➤ IXFB132N50P3		132	0.039	18600	250	250	0.066	1890	X021a		
PolarP3™ HiPerFETs										X020a	TO-264
➤ IXFH50N60P3	600	50	0.145	6300	94	250	0.120	1040	X014a		
➤ IXFQ50N60P3		50	0.145	6300	94	250	0.120	1040	X017a		
➤ IXFT50N60P3		50	0.145	6300	94	250	0.120	1040	X019		
➤ IXFK64N60P3		64	0.095	9900	145	250	0.110	1130	X020a		
➤ IXFX64N60P3		64	0.095	9900	145	250	0.110	1130	X015a		
➤ IXFK80N60P3		80	0.07	13100	190	250	0.096	1300	X020a		
➤ IXFX80N60P3		80	0.07	13100	190	250	0.096	1300	X015a		
➤ IXFN110N60P3		90	0.056	18000	245	250	0.083	1500	X027a		
➤ IXFB110N60P3		110	0.056	18000	245	250	0.066	1890	X021a		