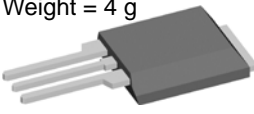
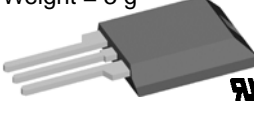
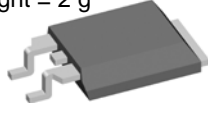
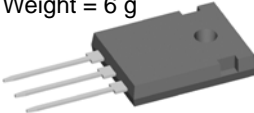
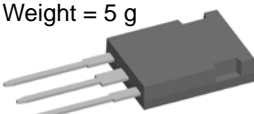
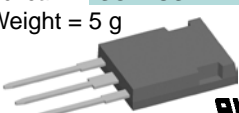
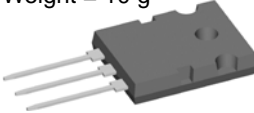
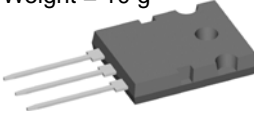



# Polar™ N-Channel HiPerFET with Fast Intrinsic Diode

## Low Voltage Types

Part Type ➤ New	V <sub>DSS</sub> V	I <sub>D(cont)</sub> T <sub>C</sub> = 25°C A	R <sub>DS(on)</sub> T <sub>J</sub> = 25°C Ω	C <sub>iss</sub> typ. pF	Q <sub>g</sub> typ. nC	t <sub>rr</sub> ns	R <sub>thJC</sub> K/W	P <sub>D</sub> W	Fig. No.	Package style Outline drawings on pages O-30...O-52
IXFC 110N10P	100	60	0.017	3550	110.0	150	1.25	120	X010a	<p>X009a <b>PLUS220</b> Weight = 4 g</p>  <p>X010a <b>ISOPLUS220™</b> Weight = 3 g</p> 
IXFH 110N10P		110	0.015	3550	110.0	150	0.31	480	X014a	
IXFV 110N10P		110	0.015	3550	110.0	150	0.31	480	X009a	
IXFV 110N10PS		110	0.015	3550	110.0	150	0.31	480	X013	
IXFR 200N10P		133	0.009	7600	235.0	150	0.50	300	X016a	
IXFH 140N10P		140	0.011	4700	155.0	150	0.25	600	X014a	
IXFT 140N10P		140	0.011	4700	155.0	150	0.25	600	X019	
IXFH 170N10P		170	0.009	6000	198.0	150	0.21	714	X014a	
IXFK 170N10P		170	0.009	6000	198.0	150	0.21	714	X020a	
IXFK 200N10P		200	0.008	7600	235.0	150	0.18	830	X020a	
IXFN 200N10P		200	0.008	7600	235.0	150	0.22	680	X027a	
IXFX 200N10P		200	0.008	7600	235.0	150	0.18	830	X015a	
IXFC 96N15P	150	42	0.026	3500	110.0	200	1.25	120	X010a	<p>X013 <b>PLUS220SMD</b> Weight = 2 g</p> 
IXFH 96N15P		96	0.024	3500	110.0	200	0.31	480	X014a	
IXFV 96N15P		96	0.024	3500	110.0	200	0.31	480	X009a	
IXFV 96N15PS		96	0.024	3500	110.0	200	0.31	480	X013	
IXFR 180N15P		100	0.013	7000	240.0	200	0.50	300	X016a	
IXFH 120N15P		120	0.016	4900	150.0	200	0.25	600	X014a	<p>X014a <b>TO-247AD</b> Weight = 6 g</p> 
IXFT 120N15P		120	0.016	4900	150.0	200	0.25	600	X019	
IXFH 150N15P		150	0.013	5800	190.0	200	0.21	714	X014a	
IXFK 150N15P		150	0.013	5800	190.0	200	0.21	714	X020a	
IXFN 180N15P		150	0.011	7000	240.0	200	0.22	680	X027a	
IXFK 180N15P		180	0.011	7000	240.0	200	0.18	830	X020a	
IXFX 180N15P		180	0.011	7000	240.0	200	0.18	830	X015a	
IXFC 74N20P	200	35	0.036	3300	107.0	200	1.25	120	X010a	<p>X015a <b>PLUS247</b> Weight = 5 g</p> 
IXFH 74N20P		74	0.034	3300	107.0	200	0.31	480	X014a	
IXFV 74N20P		74	0.034	3300	107.0	200	0.31	480	X009a	
IXFV 74N20PS		74	0.034	3300	107.0	200	0.31	480	X013	
IXFR 140N20P		90	0.022	7500	240.0	200	0.50	300	X016a	<p>X016a <b>ISOPLUS247™</b> Weight = 5 g</p> 
IXFH 96N20P		96	0.024	4800	145.0	200	0.25	600	X014a	
IXFT 96N20P		96	0.024	4800	145.0	200	0.25	600	X019	
IXFV 96N20P		96	0.024	4800	145.0	200	0.25	600	X009a	
IXFN 140N20P		115	0.018	7500	240.0	200	0.22	680	X027a	
IXFH 120N20P		120	0.022	6000	152.0	200	0.21	714	X014a	
IXFK 120N20P		120	0.022	6000	152.0	200	0.21	714	X020a	
IXFK 140N20P		140	0.018	7500	240.0	200	0.18	830	X020a	
IXFH 100N25P	250	100	0.027	6300	185.0	200	0.21	600	X014a	<p>X019 <b>TO-268AA</b> Weight = 5 g</p> 
IXFK 120N25P		120	0.024	8000	185.0	200	0.18	700	X020a	
IXFX 120N25P		120	0.024	8000	185.0	200	0.18	700	X015a	
IXFC 52N30P	300	24	0.075	3490	110.0	200	1.25	100	X010a	<p>X020a <b>TO-264</b> Weight = 10 g</p> 
IXFH 52N30P		52	0.066	3490	110.0	200	0.31	400	X014a	
IXFV 52N30P		52	0.066	3490	110.0	200	0.31	400	X009a	
IXFV 52N30PS		52	0.066	3490	110.0	200	0.31	400	X013	
IXFR 102N30P		60	0.036	7500	224.0	200	0.50	250	X016a	
IXFH 69N30P		69	0.049	4960	156.0	200	0.25	500	X014a	
IXFT 69N30P		69	0.049	4960	156.0	200	0.25	500	X019	
IXFR 140N30P		70	0.026	14000	185.0	200	0.42	360	X016a	
IXFN 102N30P		86	0.033	7500	224.0	200	0.22	570	X027a	
IXFH 88N30P		88	0.040	6300	180.0	200	0.21	600	X014a	
IXFK 88N30P		88	0.040	6300	180.0	200	0.21	600	X020a	
IXFK 102N30P		102	0.033	7500	224.0	200	0.18	700	X020a	<p>X027a <b>SOT-227B miniBLOC</b> Weight = 30 g</p> 
IXFN 140N30P		110	0.024	14000	185.0	200	0.18	700	X027a	
IXFK 140N30P		140	0.024	14000	185.0	200	0.12	1040	X020a	
IXFX 140N30P		140	0.024	14000	185.0	200	0.12	1040	X015a	