

# Polar™ N-Channel HiPerFET with Fast Intrinsic Diode

## High Voltage Types

Part Type	V <sub>DSS</sub>	I <sub>D(cont)</sub> T <sub>C</sub> = 25°C	R <sub>DS(on)</sub> T <sub>J</sub> = 25°C	C <sub>iss</sub> typ.	Q <sub>g</sub> typ.	t <sub>rr</sub>	R <sub>thJC</sub>	P <sub>D</sub>	Fig. No.	Package style Outline drawings on pages O-30...O-52
> New	V	A	Ω	pF	nC	ns	K/W	W		
IXFV 22N60P	600	22	0.350	3600	58.0	200	0.31	400	X009a	X005a <b>TO-220AB</b> Weight = 4 g
IXFV 22N60PS		22	0.350	3600	58.0	200	0.31	400	X013	
IXFH 26N60P		26	0.270	4150	72.0	200	0.27	460	X014a	
IXFT 26N60P		26	0.270	4150	72.0	200	0.27	460	X019	
IXFV 26N60P		26	0.270	4150	72.0	200	0.27	460	X009a	
IXFV 26N60PS		26	0.270	4150	72.0	200	0.27	460	X013	
IXFH 30N60P		30	0.240	4000	82.0	200	0.25	500	X014a	
IXFT 30N60P		30	0.240	4000	82.0	200	0.25	500	X019	
IXFV 30N60P		30	0.240	4000	82.0	200	0.25	500	X009a	
IXFV 30N60PS		30	0.240	4000	82.0	200	0.25	500	X013	
IXFR 48N60P	800	32	0.150	8860	150.0	200	0.42	300	X016a	X007a <b>TO-220FPAB</b> Weight = 5 g
IXFH 36N60P		36	0.190	5800	102.0	200	0.19	650	X014a	
IXFK 36N60P		36	0.190	5800	102.0	200	0.19	650	X020a	
IXFT 36N60P		36	0.190	5800	102.0	200	0.19	650	X019	
IXFR 64N60P		36	0.105	12000	200.0	200	0.35	360	X016a	
IXFN 48N60P		40	0.140	8860	150.0	200	0.20	625	X027a	
IXFK 48N60P		48	0.135	8860	150.0	200	0.15	830	X020a	
IXFX 48N60P		48	0.135	8860	150.0	200	0.15	830	X015a	
IXFN 64N60P		50	0.096	12000	200.0	200	0.18	700	X027a	
IXFK 64N60P		64	0.096	12000	200.0	200	0.12	1040	X020a	
IXFX 64N60P	64	0.096	12000	200.0	200	0.12	1040	X015a		
IXFB 82N60P	800	82	0.750	23000	240.0	200	0.10	1250	X021a	X009a <b>PLUS220</b> Weight = 4 g
IXFL 82N60P		82	0.780	23000	240.0	200	0.20	625	X022a	
IXFN 82N60P		82	0.750	23000	240.0	200	0.12	1040	X027a	
IXFP 7N80PM		4	1.400	1500	30.0	250	3.00	50	X007a	
IXFC 10N80P		5	1.200	2300	40.0	250	1.25	100	X010a	
IXFA 7N80P		7	1.400	1500	30.0	250	0.62	200	X011b	
IXFI 7N80P		7	1.400	1500	30.0	250	0.62	200	X008	
IXFP 7N80P		7	1.400	1500	30.0	250	0.62	200	X005a	
IXFC 12N80P		7	0.900	3000	50.0	250	1.05	120	X010a	
IXFC 14N80P		8	0.750	3600	60.0	250	0.95	130	X010a	
IXFC 16N80P	9	0.650	4000	70.0	250	0.90	138	X010a		
IXFA 10N80P	800	10	1.100	2300	40.0	250	0.42	300	X011b	X011b <b>TO-263AB</b> Weight = 2 g
IXFH 10N80P		10	1.100	2300	40.0	250	0.42	300	X014a	
IXFP 10N80P		10	1.100	2300	40.0	250	0.42	300	X005a	
IXFQ 10N80P		10	1.100	2300	40.0	250	0.42	300	X017a	
IXFC 20N80P		10	0.570	4685	86.0	250	0.80	160	X010a	
IXFR 20N80P		10	0.570	4685	86.0	250	0.80	160	X016a	
IXFH 12N80P		12	0.850	3000	50.0	250	0.35	360	X014a	
IXFQ 12N80P		12	0.850	3000	50.0	250	0.35	360	X017a	
IXFV 12N80P		12	0.850	3000	50.0	250	0.35	360	X009a	
IXFV 12N80PS		12	0.850	3000	50.0	250	0.35	360	X013	
IXFH 14N80P	800	14	0.700	3600	60.0	250	0.31	400	X014a	X014a <b>TO-247AD</b> Weight = 6 g
IXFQ 14N80P		14	0.700	3600	60.0	250	0.31	400	X017a	
IXFR 24N80P		13	0.420	5800	100.0	250	0.60	208	X016a	
IXFT 14N80P		14	0.700	3600	60.0	250	0.31	400	X019	
IXFV 14N80P		14	0.700	3600	60.0	250	0.31	400	X009a	
IXFV 14N80PS		14	0.700	3600	60.0	250	0.31	400	X013	
IXFH 16N80P		16	0.600	4000	70.0	250	0.27	460	X014a	
IXFT 16N80P		16	0.600	4000	70.0	250	0.27	460	X019	
IXFV 16N80P		16	0.600	4000	70.0	250	0.27	460	X009a	
IXFV 16N80PS		16	0.600	4000	70.0	250	0.27	460	X013	
IXFH 20N80P	800	20	0.520	4685	86.0	250	0.25	500	X014a	X015a <b>PLUS247</b> Weight = 6 g
IXFT 20N80P		20	0.520	4685	86.0	250	0.25	500	X019	
IXFV 20N80P		20	0.520	4685	86.0	250	0.25	500	X009a	
IXFV 20N80PS		20	0.520	4685	86.0	250	0.25	500	X013	
IXFR 32N80P		20	0.290	8800	150.0	250	0.42	300	X016a	
IXFH 24N80P		24	0.400	5800	100.0	250	0.19	650	X014a	
IXFK 24N80P		24	0.400	5800	100.0	250	0.19	650	X020a	
IXFT 24N80P		24	0.400	5800	100.0	250	0.19	650	X019	
IXFR 44N80P		25	0.200	12000	200.0	250	0.42	300	X016a	
IXFN 32N80P		29	0.270	8820	135.0	250	0.20	625	X027a	
IXFK 32N80P	32	0.270	8800	150.0	250	0.15	830	X020a		

