

Polar™ N-Channel Power MOSFETs

High Voltage Types

Part Type	V _{DSS}	I _{D(cont)} 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 Outline drawings on pages O-30...O-52	
➤ New	V	A	Ω	pF	nC	ns	K/W	W			
IXTP 3N50P	500	3.6	2.000	409	9.3	400	1.80	70	X005a	X003 TO-251AA Weight = 2 g	
IXTY 3N50P		3.6	2.000	409	9.3	400	1.80	70	X004		
IXTP 8N50PM		4.0	0.800	1050	20.0	400	3.00	41	X007a		
IXTA 5N50P		4.8	1.400	620	12.6	400	1.40	89	X011b		
IXTP 5N50P		4.8	1.400	620	12.6	400	1.40	89	X005a	X004 TO-252AA Weight = 0.3 g	
➤ IXTU 5N50P		4.8	1.400	620	12.6	400	1.40	89	X003		
IXTY 5N50P		4.8	1.400	620	12.6	400	1.40	89	X004		
IXTA 6N50P		6.0	1.100	740	14.6	400	1.25	100	X011b		
IXTP 6N50P		6.0	1.100	740	14.6	400	1.25	100	X005a	X005a TO-220AB Weight = 4 g	
IXTP 12N50PM		6.0	0.500	1690	29.0	400	tbid	50	X007a		
IXTA 8N50P		8.0	0.800	1050	20.0	400	0.83	150	X011b		
IXTP 8N50P		8.0	0.800	1050	20.0	400	0.83	150	X005a		
➤ IXTA 12N50P		12.0	0.500	1690	29.0	400	0.62	200	X011b	X008 TO-220FPAB Weight = 5 g	
IXTI 12N50P		12.0	0.500	1690	29.0	400	0.62	200	X008		
IXTP 12N50P		12.0	0.500	1690	29.0	400	0.62	200	X005a		
IXTC 26N50P		15.0	0.260	3600	65.0	400	0.95	130	X010a		
IXTA 16N50P		600	16.0	0.400	2250	43.0	400	0.42	300	X011b	X007a TO-220FPAB Weight = 5 g
IXTP 16N50P			16.0	0.400	2250	43.0	400	0.42	300	X005a	
➤ IXTP 16N50PM			16.0	0.400	2850	43.0	400	2.50	300	X007a	
IXTQ 16N50P			16.0	0.400	2250	43.0	400	0.42	300	X017a	
IXTH 22N50P	22.0		0.270	2630	50.0	400	0.35	350	X014a	X008 TO-262 i2-Pac Weight = 5 g	
IXTQ 22N50P	22.0		0.270	2630	50.0	400	0.35	350	X017a		
IXTV 22N50P	22.0		0.270	2630	50.0	400	0.35	350	X009a		
IXTV 22N50PS	22.0		0.270	2630	50.0	400	0.35	350	X013		
IXTQ 26N50P	26.0		0.230	3600	65.0	300	0.31	400	X017a	X009a PLUS220 Weight = 4 g	
IXTT 26N50P	26.0		0.230	3600	65.0	300	0.31	400	X019		
IXTV 26N50P	26.0		0.230	3600	65.0	300	0.31	400	X009a		
IXTV 26N50PS	26.0		0.230	3600	65.0	300	0.31	400	X013		
IXTH 30N50P	30.0		0.200	4150	70.0	400	0.27	460	X014a	X010a ISOPLUS220™ Weight = 3 g	
IXTQ 30N50P	30.0		0.200	4150	70.0	400	0.27	460	X017a		
IXTT 30N50P	30.0		0.200	4150	70.0	400	0.27	460	X019		
IXTV 30N50P	30.0		0.200	4150	70.0	400	0.27	460	X009a		
IXTV 30N50PS	30.0		0.200	4150	70.0	400	0.27	460	X013	X014a TO-263AB Weight = 2 g	
IXTH 36N50P	36.0		0.170	5500	85.0	400	0.23	540	X014a		
IXTQ 36N50P	36.0		0.170	5500	85.0	400	0.23	540	X017a		
IXTT 36N50P	36.0		0.170	5500	85.0	400	0.23	540	X019		
IXTV 36N50P	36.0	0.170	5500	85.0	400	0.23	540	X009a	X011b TO-263AB Weight = 2 g		
IXTV 36N50PS	36.0	0.170	5500	85.0	400	0.23	540	X013			
IXTQ 44N50P	44.0	0.140	5440	98.0	400	0.19	650	X017a			
IXTP 1R4N60P	600	1.4	0.009	140	5.2	500	2.50	50		X005a	X005a PLUS220SMD Weight = 2 g
IXTU 1R4N60P		1.4	0.009	140	5.2	500	2.50	50	X003		
IXTY 1R4N60P		1.4	0.009	140	5.2	500	2.50	50	X004		
IXTP 2N60P		2.0	5.100	240	7.0	500	2.25	55	X005a		
IXTY 2N60P		2.0	5.100	240	7.0	500	2.25	55	X004	X013 PLUS220SMD Weight = 2 g	
IXTA 3N60P		3.0	2.900	411	9.8	500	1.80	70	X011b		
IXTP 3N60P		3.0	2.900	411	9.8	500	1.80	70	X005a		
IXTY 3N60P		3.0	2.900	411	9.8	500	1.80	70	X004		
IXTA 4N60P		4.0	2.000	635	13.0	500	1.41	89	X011b	X014a TO-247AD Weight = 6 g	
IXTP 4N60P		4.0	2.000	635	13.0	500	1.41	89	X005a		
➤ IXTU 4N60P		4.0	2.000	635	13.0	500	1.41	89	X003		
➤ IXTY 4N60P		4.0	2.000	635	13.0	500	1.41	89	X004		
➤ IXTP 7N60PM		4.0	1.100	1080	20.0	500	3.00	41	X007a	X007a TO-3P Weight = 5 g	
IXTA 5N60P		5.0	1.700	750	14.2	500	1.25	100	X011b		
IXTP 5N60P		5.0	1.700	750	14.2	500	1.25	100	X005a		
IXTP 10N60PM		5.0	0.740	1610	32.0	500	2.50	50	X007a		
IXTA 7N60P		7.0	1.100	1080	20.0	500	0.83	150	X011b	X017a TO-3P Weight = 5 g	
IXTP 7N60P		7.0	1.100	1080	20.0	500	0.83	150	X005a		
➤ IXTP 18N60PM		9.0	0.420	2500	49.0	500	2.00	90	X007a		
IXTA 10N60P		10	0.740	1610	32.0	500	0.62	200	X011b		
IXTI 10N60P	10	0.740	1610	32.0	500	0.62	200	X008	X019 TO-268AA Weight = 3 g		
IXTP 10N60P	10	0.740	1610	32.0	500	0.62	200	X005a			
➤ IXTP 14N60PM	7.0	0.550	2300	36.0	500	2.30	75	X007a			
IXTA 14N60P	14.0	0.550	2300	36.0	500	0.42	300	X011b			
IXTP 14N60P	14	0.550	2300	36.0	500	0.42	300	X005a	X017a		
IXTQ 14N60P	14	0.550	2300	36.0	500	0.42	300	X017a			