

X-Class Power MOSFETs



Part Type	V _{DS}	I _{DS(on)} Chip T _C = 25°C	R _{DS(on)} T _J = 25°C	C _{iss} typ.	Q _g typ.	t _r typ.	R _{thJA}	P _D	Fig. No.	Package style Outline drawings on pages O-31...O-52
> New	V	A	Ω	pF	nC	ns	K/W	W		
X-Class Standard Types										
> IXTP 20N65XM	650	9	0.210	1390	35	350	2.00	63	X007a	X004 TO-252AA
> IXTP 32N65XM		14	0.135	2206	54	400	1.60	78	X007a	
> IXTP 20N65X		20	0.210	1390	35	350	0.39	320	X005a	X005a TO-220AB
> IXTA 20N65X		20	0.210	1390	35	350	0.39	320	X011b	
> IXTH 20N65X		20	0.210	1390	35	350	0.39	320	X014a	
> IXTQ 32N65X		32	0.135	2205	54	400	0.25	500	X017a	
> IXTH 32N65X		32	0.135	2205	54	400	0.25	500	X014a	
> IXTP 32N65X		32	0.135	2206	54	400	0.25	500	X005a	X007a TO-220FPAB
X-Class Power MOSFETs with Fast Body Diode										
> IXFA 18N60X	600	18	0.23	1440	35	127	0.39	320	X011b	
> IXFH 18N60X		18	0.23	1440	35	127	0.39	320	X014a	
> IXFP 18N60X		18	0.23	1440	35	127	0.39	320	X005a	X011b TO-263AB
> IXFA 24N60X		24	0.175	1910	47	140	0.31	400	X011b	
> IXFH 24N60X		24	0.175	1910	47	140	0.31	400	X014a	
> IXFP 24N60X		24	0.175	1910	47	140	0.31	400	X005a	
> IXFQ 24N60X		24	0.175	1910	47	140	0.31	400	X017a	X014a TO-247AD
> IXFH 30N60X		30	0.155	2270	56	145	0.25	500	X014a	
> IXFT 30N60X		30	0.155	2270	56	145	0.25	500	X019	
> IXFQ 30N60X		30	0.155	2270	56	145	0.25	500	X017a	
> IXFH 50N60X		50	0.073	4660	116	195	0.19	660	X014a	X015a PLUS247
> IXFT 50N60X		50	0.073	4660	116	195	0.19	660	X019	
> IXFQ 50N60X		50	0.073	4660	116	195	0.19	660	X017a	
> IXFK 90N60X		90	0.038	8500	210	210	0.113	1100	X020a	
> IXFX 90N60X		90	0.038	8500	210	210	0.113	1100	X015a	
X2-Class Power MOSFETs										
> IXTY 2N65X2	650	2	2.3	176	4.3	137	2.27	55	X004	X017a TO-3P
> IXTP 2N65X2		2	2.3	176	4.3	137	2.27	55	X005a	
> IXTA 4N65X2		4	0.85	455	8.3	160	1.56	80	X011b	
> IXTY 4N65X2		4	0.85	455	8.3	160	1.56	80	X004	X019 TO-268AA
> IXTP 4N65X2		4	0.85	455	8.3	160	1.56	80	X005a	
> IXTA 8N65X2		8	0.5	800	12	200	0.83	150	X011b	
> IXTP 8N65X2		8	0.5	800	12	200	0.83	150	X005a	
> IXTY 8N65X2		8	0.5	800	12	200	0.83	150	X004	
> IXTX 102N65X2		102	0.03	11000	152	450	0.12	1040	X015a	X020a TO-264
> IXTK 102N65X2		102	0.03	11000	152	450	0.12	1040	X020a	

SiC Power MOSFETs

Part Type	V _{DS}	I _{DS} T _C = 25°C	R _{DS(on)} T _C = 25°C	C _{iss} typ	Q _g typ	R _{θJC}	t _{rr} Diode typ ns	V _{SD} Diode typ V	Fig. No.
✓ New	V	A	mΩ	pF	nC	K/W			
✓ IXFN 50N120SiC	1200	47	50	1900	100	0.55	40	3.3	X027a
✓ MCB 60I1200TZ	1200	90	34	2790	160	0.27	45	3.3	X019

X027a

SOT-227B
miniBLOC

