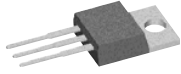
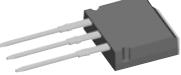
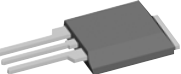
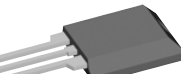


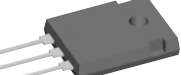



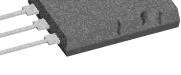


Trench Gate Power MOSFETs

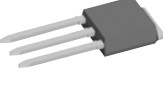
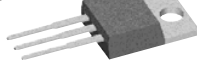
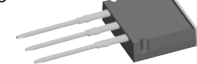
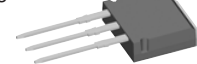

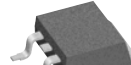
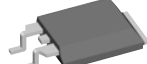

Very Low $R_{DS(on)}$

Part Type	V_{DSS} max	I_D (cont) max $T_C=25^\circ\text{C}$	$R_{DS(on)}$ max $T_C=25^\circ\text{C}$	C_{iss} typ	Q_g typ	t_{rr} max	R_{thJC} max	P_D	Fig. No	Package style
> New	V	A	Ω	pF	nC	ns	K/W	W		Outline drawings on pages 188 - 224
> IXTP64N055T	55	64	0.013	1700	60	80	1.25	120	X005a	X005a Weight = 4 g  TO-220AB X008 Weight = 3 g  TO-262 i2-PAC X009 Weight = 4 g  PLUS220 X010a Weight = 3 g  ISOPLUS220™ X011b Weight = 2 g  TO-263AB X013 Weight = 4 g  PLUS220 SMD X014a Weight = 6 g  TO-247AD X016a Weight = 5 g  ISOPLUS247™ X017a Weight = 5 g  TO-3P X019 Weight = 5 g  TO-268AA X020 Weight = 10 g  TO-264
> IXTU64N055T		64*	0.013	1700	60	80	1.25	120	X003	
> IXTY64N055T		64*	0.013	1700	60	80	1.25	120	X004	
> IXTP90N055T		90*	0.008	2600	64	80	1.00	150	X005a	
> IXTU90N055T		90*	0.008	2600	64	80	1.00	150	X003	
> IXTY90N055T		90*	0.008	2600	64	80	1.00	150	X004	
> IXTA110N055T		110*	0.0067	3100	80	80	0.75	200	X011b	
> IXTA110N055T7		110*	0.0067	3100	80	80	0.75	200	X012b	
> IXTP110N055T		110*	0.0067	3100	80	80	0.75	200	X005a	
> IXTA182N055T		182*	0.0044	4850	115	80	0.42	350	X011b	
> IXTA182N055T7		182*	0.0044	4850	115	80	0.42	350	X012b	
> IXTP182N055T		182*	0.0044	4850	115	80	0.42	350	X005a	
> IXTQ182N055T		182*	0.0044	4850	115	80	0.42	350	X017a	
> IXTA220N055T		220*	0.0036	5800	175	80	0.37	400	X011b	
> IXTA220N055T7		220*	0.0036	5800	175	80	0.37	400	X012b	
> IXTP220N055T		220*	0.0036	5800	175	80	0.37	400	X005a	
> IXTQ220N055T		220*	0.0036	5800	175	80	0.37	400	X017a	
> IXTA240N055T		240*	0.0033	6900	190	80	0.33	450	X011b	
> IXTA240N055T7		240*	0.0033	6900	190	80	0.33	450	X012b	
> IXTC240N055T		140*	0.0036	6900	190	80	1.00	150	X010a	
> IXTQ240N055T	240*	0.0033	6900	190	80	0.33	450	X017a		
> IXTP240N055T	240*	0.0033	6900	190	80	0.33	450	X005a		
> IXTC280N055T	164*	0.0030	7900	240	80	0.85	175	X010a		
> IXTH280N055T	280*	0.0028	7900	240	80	0.30	500	X014a		
> IXTQ280N055T	280*	0.0028	7900	240	80	0.30	500	X017a		
> IXTV280N055T	280*	0.0028	7900	240	80	0.30	500	X009		
> IXTV280N055TS	280*	0.0028	7900	240	80	0.30	500	X013		
> IXTP55N075T	75	55	0.0017	2100	35	100	1.25	120	X005a	
> IXTU55N075T		55*	0.0017	2100	35	100	1.25	120	X003	
> IXTY55N075T		55*	0.0017	2100	35	100	1.25	120	X004	
> IXTP76N075T		76*	0.0011	2600	64	100	1.00	150	X005a	
> IXTU76N075T		76*	0.0011	2600	64	100	1.00	150	X003	
> IXTY76N075T		76*	0.0011	2600	64	100	1.00	150	X004	
> IXTA98N075T		98*	0.009	3100	80	100	0.75	200	X011b	
> IXTA98N075T7		98*	0.009	3100	80	100	0.75	200	X012b	
> IXTP98N075T		98*	0.009	3100	80	100	0.75	200	X005a	
> IXTA160N075T		160*	0.0055	4850	130	100	0.42	350	X011b	
> IXTA160N075T7		160*	0.0055	4850	130	100	0.42	350	X012b	
> IXTP160N075T		160*	0.0055	4850	130	100	0.42	350	X005a	
> IXTQ160N075T		160*	0.0055	4850	130	100	0.42	350	X017a	
> IXTA200N075T		200*	0.0044	5450	139	100	0.37	400	X011b	
> IXTA200N075T7		200*	0.0044	5450	139	100	0.37	400	X012b	
> IXTP200N075T		200*	0.0044	5450	139	100	0.37	400	X005a	
> IXTQ200N075T		200*	0.0044	5450	139	100	0.37	400	X017a	
> IXTA220N075T		220*	0.004	6900	190	100	0.33	450	X011b	
> IXTA220N075T7		220*	0.004	6900	190	100	0.33	450	X012b	
> IXTC220N075T		125*	0.0044	6900	190	100	1.00	150	X010a	
> IXTQ220N075T	220*	0.004	6900	190	100	0.33	450	X017a		
> IXTP220N075T	220*	0.004	6900	190	100	0.33	450	X005a		
> IXTC250N075T	150*	0.0037	7900	240	100	0.85	175	X010a		
> IXTH250N075T	250*	0.0034	7900	240	100	0.30	500	X014a		
> IXTQ250N075T	250*	0.0034	7900	240	100	0.30	500	X017a		
> IXTV250N075T	250*	0.0034	7900	240	100	0.30	500	X009		
> IXTV250N075TS	250*	0.0034	7900	240	100	0.30	500	X013		
> IXTP50N085T	85	50	0.02	2100	35	110	1.25	120	X005a	
> IXTU50N085T		50*	0.02	2100	35	110	1.25	120	X003	
> IXTY50N085T		50*	0.02	2100	35	110	1.25	120	X004	
> IXTP70N085T		70	0.013	2600	64	110	1.00	150	X005a	
> IXTU70N085T		70*	0.013	2600	64	110	1.00	150	X003	
> IXTY70N085T		70*	0.013	2600	64	110	1.00	150	X004	
> IXTA88N085T		88*	0.011	3100	80	110	0.75	200	X011b	
> IXTA88N085T7		88*	0.011	3100	80	110	0.75	200	X012b	

Note 1. Performance and availability are subject to change at IXYS' discretion.
 Note 2. * - Drain and source currents may be limited by external package leads.

Trench Gate Power MOSFETs

Very Low $R_{DS(on)}$

Part Type	V_{DSS} max	I_D (cont) max $T_C=25^\circ\text{C}$	$R_{DS(on)}$ max $T_C=25^\circ\text{C}$	C_{iss} typ	Q_g typ	t_{rr} max	R_{thJC} max	P_D	Fig. No	Package style	
> New	V	A	Ω	pF	nC	ns	K/W	W		Outline drawings on pages 188 - 224	
> IXTP88N085T	85	88*	0.011	3100	80	110	0.75	200	X005a	X003 Weight = 0.3 g	TO-251AA 
> IXTA152N085T		152*	0.0066	4850	130	110	0.42	350	X011b		
> IXTA152N085T7		152*	0.0066	4850	130	110	0.42	350	X012b		
> IXTP152N085T		152*	0.0066	4850	130	110	0.42	350	X005a		
> IXTQ152N085T		152*	0.0066	4850	130	110	0.42	350	X017a		
> IXTA180N085T		180*	0.0055	6500	175	110	0.37	400	X011b		
> IXTA180N085T7		180*	0.0055	6500	175	110	0.37	400	X012b		
> IXTP180N085T		180*	0.0055	6500	175	110	0.37	400	X005a		
> IXTQ180N085T		180*	0.0055	6500	175	110	0.37	400	X017a		
> IXTA200N085T		200*	0.005	6900	190	110	0.33	450	X011b		
> IXTA200N085T7		200*	0.005	6900	190	110	0.33	450	X012b		
> IXTC200N085T		110*	0.0055	6900	190	110	1.00	150	X010a	X005a Weight = 4 g	TO-220AB 
> IXTQ200N085T		200*	0.005	6900	190	110	0.33	450	X017a		
> IXTP200N085T		200*	0.005	6900	190	110	0.33	450	X005a		
> IXTC230N085T	136*	0.0045	7900	240	110	0.85	175	X010a	X008 Weight = 3 g	TO-262 i2-PAC 	
> IXTH230N085T	230*	0.0041	7900	240	110	0.30	500	X014a			
> IXTQ230N085T	230*	0.0041	7900	240	110	0.30	500	X017a			
> IXTV230N085T	230*	0.0041	7900	240	110	0.30	500	X009			
> IXTV230N85TS	230*	0.0041	7900	240	110	0.30	500	X013			
> IXTP44N10T	100	44	0.025	1800	32	130	1.25	120	X005a	X009 Weight = 4 g	PLUS220 
> IXTU44N10T		44*	0.025	1800	32	130	1.25	120	X003		
> IXTY44N10T		44*	0.025	1800	32	130	1.25	120	X004		
> IXTP60N10T		60	0.018	2200	58	130	1.00	150	X005a		
> IXTU60N10T		60*	0.018	2200	58	130	1.00	150	X003		
> IXTY60N10T		60*	0.018	2200	58	130	1.00	150	X004		
> IXTA80N10T		80*	0.013	2600	72	130	0.75	200	X011b		
> IXTA80N10T7		80*	0.013	2600	72	130	0.75	200	X012b		
> IXTP80N10T		80*	0.013	2600	72	130	0.75	200	X005a		
> IXTA130N10T		130*	0.0085	4100	115	130	0.42	350	X011b		
> IXTA130N10T7		130*	0.0085	4100	115	130	0.42	350	X012b		
> IXTP130N10T		130*	0.0085	4100	115	130	0.42	350	X005a		
> IXTQ130N10T		130*	0.0085	4100	115	130	0.42	350	X017a		
> IXTA160N10T		160*	0.0069	5800	155	130	0.37	400	X011b		
> IXTA160N10T7	160*	0.0069	5800	155	130	0.37	400	X012b			
> IXTP160N10T	160*	0.0069	5800	155	130	0.37	400	X005a			
> IXTQ160N10T	160*	0.0069	5800	155	130	0.37	400	X017a			
> IXTA180N10T	180*	0.0061	6200	170	130	0.33	450	X011b			
> IXTA180N10T7	180*	0.0061	6200	170	130	0.33	450	X012b			
> IXTC180N10T	100*	0.0067	6200	170	130	1.00	150	X010a	X010a Weight = 3 g	ISOPLUS220™ 	
> IXTQ180N10T	180*	0.0061	6200	170	130	0.33	450	X017a			
> IXTP180N10T	180*	0.0061	6200	170	130	0.33	450	X005a			
> IXTC200N10T	118*	0.0059	7200	220	130	0.85	175	X010a	X011b Weight = 2 g	TO-263AB 	
> IXTH200N10T	200*	0.0054	7200	220	130	0.30	500	X014a			
> IXTQ200N10T	200*	0.0054	7200	220	130	0.30	500	X017a			
> IXTV200N10T	200*	0.0054	7200	220	130	0.30	500	X009			
> IXTV200N10TS	200*	0.0054	7200	220	130	0.30	500	X013			
X016a										X013 Weight = 4 g	PLUS220 SMD 
X017a										X014a Weight = 6 g	TO-247AD 
X019											
X020											

Note 1. Performance and availability are subject to change at IXYS' discretion.
Note 2. * - Drain and source currents may be limited by external package leads.