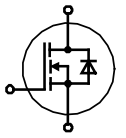

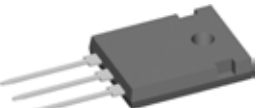
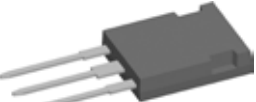
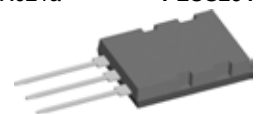
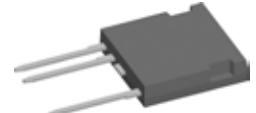



# Q2-Class MOSFETs with Fast Intrinsic Diode



Part Type	V <sub>DSS</sub>	I <sub>D(cont)</sub> Chip 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> typ.	R <sub>thJC</sub>	P <sub>D</sub>	Fig. No.	Package style Outline drawings on pages O-29...O-51
➤ New	V	A	Ω	pF	nC	ns	K/W	W		
IXFR 40N50Q2	500	29	0.17	4850	110	250	0.39	320	X016a	X013 <b>PLUS220SMD</b> 
IXFH 40N50Q2		40	0.16	4850	110	250	0.22	560	X014a	
IXFK 40N50Q2		40	0.16	4850	110	250	0.22	560	X020a	
IXFR 66N50Q2		50	0.085	9125	200	250	0.25	500	X016a	
IXFL 80N50Q2		66	0.066	12800	250	250	0.33	380	X022a	
IXFX 66N50Q2		66	0.08	9125	200	250	0.17	735	X015a	
IXFN 66N50Q2		66	0.08	9125	200	250	0.17	735	X027a	
IXFK 66N50Q2		66	0.08	9125	200	250	0.17	735	X020a	
IXFF 80N50Q2		80	0.066	10500	260	250	0.33	380	X024c	
IXFB 80N50Q2		80	0.06	15000	250	250	0.13	960	X021a	
IXFN 80N50Q2		80	0.06	12800	260	250	0.14	890	X027a	X014a <b>TO-247AD</b> 
IXFH 36N55Q2	550	36	0.18	4100	110	250	0.25	500	X014a	
IXFX 60N55Q2		60	0.088	7300	200	250	0.17	735	X015a	
IXFK 60N55Q2		60	0.088	7300	200	250	0.17	735	X020a	
IXFB 72N55Q2		72	0.072	10500	258	250	0.14	890	X021a	
IXFN 72N55Q2		72	0.072	7200	270	250	0.14	890	X027a	
IXFL 70N60Q2	600	37	0.092	12000	265	250	0.35	360	X022a	
IXFX 52N60Q2		52	0.115	6800	198	250	0.17	735	X015a	
IXFK 52N60Q2		52	0.115	6800	198	250	0.17	735	X020a	
IXFB 70N60Q2		70	0.088	12000	265	250	0.14	890	X021a	
IXFN 70N60Q2		70	0.088	12000	265	250	0.14	890	X027a	X016a <b>ISOPLUS247™</b> 
IXFR 38N80Q2	800	28	0.24	9500	190	250	0.25	500	X016a	
IXFX 38N80Q2		38	0.22	9500	190	250	0.17	735	X015a	
IXFN 38N80Q2		38	0.22	9500	190	250	0.17	735	X027a	
IXFK 38N80Q2		38	0.22	9500	190	250	0.17	735	X020a	
IXFB 50N80Q2		50	0.16	7200	260	300	0.11	1135	X021a	
IXFN 50N80Q2		50	0.16	13500	260	300	0.11	1135	X027a	
IXFR 14N100Q2	1000	9.5	1.1	2800	83	300	0.62	200	X016a	
IXFH 14N100Q2		14	0.95	2800	83	300	0.25	500	X014a	
IXFL 38N100Q2		29	0.28	13500	250	300	0.33	380	X022a	
IXFX 30N100Q2		30	0.4	9400	186	300	0.17	735	X015a	
IXFK 30N100Q2		30	0.4	9400	186	300	0.17	735	X020a	
IXFB 38N100Q2		38	0.25	13500	250	300	0.14	890	X021a	
IXFN 38N100Q2		38	0.25	13500	250	300	0.14	890	X027a	X022a <b>ISOPLUS264™</b> X021a <b>PLUS264</b> 
IXFR 14N100Q2	1000	9.5	1.1	2800	83	300	0.62	200	X016a	
IXFH 14N100Q2		14	0.95	2800	83	300	0.25	500	X014a	
IXFL 38N100Q2		29	0.28	13500	250	300	0.33	380	X022a	
IXFX 30N100Q2		30	0.4	9400	186	300	0.17	735	X015a	
IXFK 30N100Q2		30	0.4	9400	186	300	0.17	735	X020a	
IXFB 38N100Q2		38	0.25	13500	250	300	0.14	890	X021a	
IXFN 38N100Q2		38	0.25	13500	250	300	0.14	890	X027a	
IXFR 14N100Q2	1000	9.5	1.1	2800	83	300	0.62	200	X016a	
IXFH 14N100Q2		14	0.95	2800	83	300	0.25	500	X014a	
IXFL 38N100Q2		29	0.28	13500	250	300	0.33	380	X022a	
IXFX 30N100Q2		30	0.4	9400	186	300	0.17	735	X015a	
IXFK 30N100Q2		30	0.4	9400	186	300	0.17	735	X020a	
IXFB 38N100Q2		38	0.25	13500	250	300	0.14	890	X021a	
IXFN 38N100Q2		38	0.25	13500	250	300	0.14	890	X027a	

## Very High Voltage Power MOSFETs (2.5 - 4 kV)

Part Type	V <sub>DSS</sub>	I <sub>D(cont)</sub> Chip 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> typ.	R <sub>thJC</sub>	P <sub>D</sub>	Fig. No.	Package style Outline drawings on pages O-29...O-51
➤ New	V	A	Ω	pF	nC	ns	K/W	W		
IXTH 02N250	2500	0.2	450	120	6.6	1500	2.20	57	X014a	X024c <b>ISOPLUS i4-PAC™</b> 
IXTV 02N250S		0.2	450	120	6.6	1500	2.20	57	X013	
IXTF 1N250		1	40	1660	41	2.5	1.13	110	X024c	
IXTH 1N250		1.5	40	1660	41	2500	0.50	250	X014a	
IXTK 5N250		5	8.8	8560	200	1200	0.13	960	X020a	
IXTN 5N250		5	8.8	8560	200	1200	0.18	700	X027a	
IXTX 5N250		5	8.8	8560	200	1200	0.13	960	X015a	
IXTF 03N400	4000	0.3	300	435	16.3	2.8	1.78	70	X024c	
IXTH 03N400		0.3	290	435	16.3	2.8	0.96	130	X014a	
IXTV 03N400S		0.3	290	435	16.3	2.8	0.96	130	X013	
IXTF 1N400		1	60	2530	78	3500	0.78	160	X024c	X027a <b>SOT-227B miniBLOC</b> 
IXTH 02N250	2500	0.2	450	120	6.6	1500	2.20	57	X014a	
IXTV 02N250S		0.2	450	120	6.6	1500	2.20	57	X013	
IXTF 1N250		1	40	1660	41	2.5	1.13	110	X024c	
IXTH 1N250		1.5	40	1660	41	2500	0.50	250	X014a	
IXTK 5N250		5	8.8	8560	200	1200	0.13	960	X020a	
IXTN 5N250		5	8.8	8560	200	1200	0.18	700	X027a	
IXTX 5N250		5	8.8	8560	200	1200	0.13	960	X015a	
IXTF 03N400	4000	0.3	300	435	16.3	2.8	1.78	70	X024c	
IXTH 03N400		0.3	290	435	16.3	2.8	0.96	130	X014a	
IXTV 03N400S		0.3	290	435	16.3	2.8	0.96	130	X013	
IXTF 1N400		1	60	2530	78	3500	0.78	160	X024c	