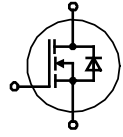
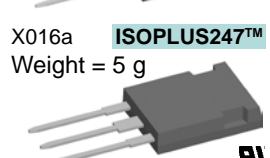
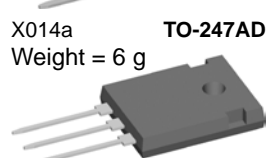
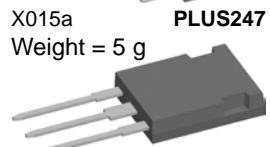
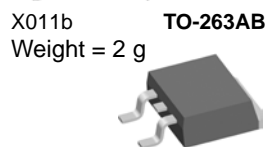
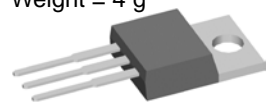


# Q-Class HiPerFET™ with Fast Intrinsic Diode



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
➤ New	V	A	Ω	F	nC	ns	K/W	W		Outline drawings on pages O-30...O-52
IXFA 4N100Q	1000	4.0	3.000	1050	39.0	250	0.80	156	X011b	X005a <b>TO-220AB</b> Weight = 4 g
IXFH 4N100Q		4.0	3.000	1050	39.0	250	0.80	156	X014a	
IXFP 4N100Q		4.0	3.000	1050	39.0	250	0.80	156	X005a	
IXFR 4N100Q		3.5	3.000	1050	39.0	200	1.57	80	X016a	X011b <b>TO-263AB</b> Weight = 2 g
IXFT 4N100Q		4.0	3.000	1050	39.0	250	0.80	156	X019	
IXFH 6N100Q		6.0	2.000	2200	48.0	250	1.90	66	X014a	
IXFT 6N100Q		6.0	2.000	2200	48.0	250	1.90	66	X019	X015a <b>PLUS247</b> Weight = 5 g
IXFH 12N100Q		12.0	1.050	2900	90.0	200	0.42	300	X014a	
IXFR 12N100Q		12.0	1.050	2900	90.0	200	0.50	250	X016a	
IXFT 12N100Q		12.0	1.050	2900	90.0	200	0.42	300	X019	X014a <b>TO-247AD</b> Weight = 6 g
IXFH 15N100Q		15.0	0.700	4500	130.0	250	0.35	357	X014a	
IXFK 15N100Q		15.0	0.700	4500	130.0	250	0.35	357	X020a	
IXFT 15N100Q		15.0	0.700	4500	130.0	250	0.35	357	X019	X016a <b>ISOPLUS247™</b> Weight = 5 g
IXFK 21N100Q		21.0	0.500	5900	170.0	250	0.26	481	X020a	
IXFN 21N100Q		21.0	0.500	5900	170.0	250	0.24	521	X027a	
IXFR 21N100Q		18.0	0.500	5900	170.0	250	0.30	417	X016a	X019 <b>TO-268AA</b> Weight = 5 g
IXFX 21N100Q		21.0	0.500	5900	170.0	250	0.26	481	X015a	



# Q2-Class HiPerFET™ with Fast Intrinsic Diode

Very High Speed

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
➤ New	V	A	Ω	F	nC	ns	K/W	W		Outline drawings on pages O-30...O-52
IXFH 40N50Q2	500	40.0	0.160	4200	110.0	250	0.25	500	X014a	X020a <b>TO-264</b> Weight = 10 g
➤ IXFK 40N50Q2		40.0	0.160	4200	110.0	250	0.25	500	X020a	
IXFR 40N50Q2		29.0	0.170	4200	110.0	250	0.39	320	X016a	
IXFK 66N50Q2		66.0	0.074	6800	199.0	250	0.17	735	X020a	X021a <b>PLUS264</b> Weight = 10 g
IXFN 66N50Q2		66.0	0.074	6800	199.0	250	0.17	735	X027a	
IXFR 66N50Q2		50.0	0.074	6800	199.0	250	0.30	416	X016a	
IXFX 66N50Q2		66.0	0.074	6800	199.0	250	0.17	735	X015a	X022a <b>ISOPLUS264</b> Weight = 6 g
IXFB 80N50Q2		80.0	0.060	10500	260.0	250	0.14	890	X021a	
IXFF 80N50Q2		80.0	0.066	10500	260.0	250	0.33	380	X024d	
IXFL 80N50Q2		66.0	0.066	10500	260.0	250	0.33	380	X022a	X024d <b>ISOPLUS i4-PAC™</b> Weight = 6 g
IXFN 80N50Q2		80.0	0.060	10500	260.0	250	0.14	890	X027a	
IXFK 52N60Q2	600	52.0	0.115	6800	198.0	250	0.17	735	X020a	
IXFX 52N60Q2		52.0	0.115	6800	198.0	250	0.17	735	X015a	X027a <b>SOT-227B miniBLOC</b> Weight = 30 g
IXFB 70N60Q2		70.0	0.080	7200	265.0	250	0.14	890	X021a	
IXFN 70N60Q2		70.0	0.080	7200	265.0	250	0.14	890	X027a	
IXFK 38N80Q2	800	38.0	0.220	8340	190.0	250	0.17	735	X020a	X027a <b>SOT-227B miniBLOC</b> Weight = 30 g
➤ IXFN 38N80Q2		38.0	0.220	8340	190.0	250	0.17	735	X027a	
IXFR 38N80Q2		28.0	0.300	8340	190.0	250	0.30	416	X016a	
IXFX 38N80Q2		38.0	0.220	8340	190.0	250	0.17	735	X015a	X027a <b>SOT-227B miniBLOC</b> Weight = 30 g
IXFB 50N80Q2		50.0	0.150	7200	260.0	300	0.14	890	X021a	
IXFN 50N80Q2		50.0	0.150	7200	260.0	300	0.14	890	X027a	
IXFH 14N100Q2	1000	14.0	0.900	2800	83.0	250	0.31	400	X014a	X027a <b>SOT-227B miniBLOC</b> Weight = 30 g
IXFR 14N100Q2		9.5	1.000	2700	83.0	250	0.62	200	X016a	
IXFK 30N100Q2		30.0	0.400	8200	186.0	250	0.17	735	X020a	
IXFX 30N100Q2		30.0	0.400	8200	186.0	250	0.17	735	X015a	X027a <b>SOT-227B miniBLOC</b> Weight = 30 g
IXFB 38N100Q2		38.0	0.280	12600	250.0	300	0.14	893	X021a	
IXFL 38N100Q2		22.0	0.280	12600	250.0	300	0.33	380	X022a	
IXFN 38N100Q2		38.0	0.250	12600	250.0	300	0.14	893	X027a	

