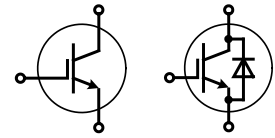
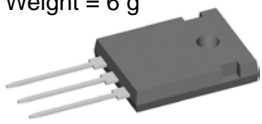
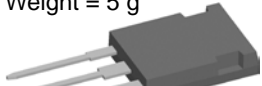


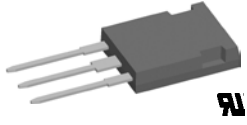

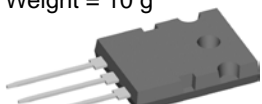
1600 / 1700 V IGBT

Low saturation voltage Types



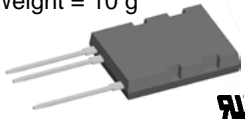
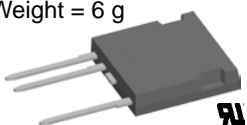
Part Type	V _{CES}	I _{C25}		I _{C90}		V _{CE(sat)}		E _{off} typ T _J = 125°C mJ	R _{thJC}	Diode	Fig. No.	Package style
		T _C = 25°C	T _C = 90°C	T _C = 25°C	T _C = 90°C	T _C = 25°C	T _C = 90°C					
➤ New	V	A	A	V	V	V	V	K/W	K/W			Outline drawings on pages O-30...O-52
IXGH 25N160	1600	75				2.7		0.42			X014a	TO-247AD X014a Weight = 6 g 
IXGT 25N160		75				2.7		0.42			X019	
IXGH 6N170	1700	12	6	4.0	2.0	1.65		1.65			X014a	
IXGT 6N170		12	6	4.0	2.0	1.65		1.65			X019	
IXGH 10N170		20	10	4.0	4.7	1.10		1.10			X014a	
IXGT 10N170		20	10	4.0	4.7	1.10		1.10			X019	
IXGH 16N170		32	16	3.5	10.0	0.65		0.65			X014a	
IXGT 16N170		32	16	3.5	11.2	0.65		0.65			X019	
IXGH 24N170		50	24	3.3	12.0	0.50		0.50			X014a	
IXGT 24N170		50	24	3.3	12.0	0.50		0.50			X019	
IXGF 32N170		26	14	3.5	13.5	0.65		0.65			X024c	
IXGH 32N170		55	32	5.0	13.6	0.35		0.35			X014a	PLUS247 X015a Weight = 5 g 
IXGT 32N170		55	32	5.0	13.6	0.35		0.35			X019	
IXGR 32N170H1		38	20	3.5	13.6	0.65	●	0.65			X016a	
IXGX 32N170H1		75	32	3.3	14.0	0.35	●	0.35			X015a	

High Speed IGBTs

Part Type	V _{CES}	I _{C25}		I _{C90}		V _{CE(sat)}		t _{fi} typ. T _J = 25°C ns	E _{off} typ. T _J = 125°C mJ	R _{thJC}	Diode	I _{F90} Diode T _C = 90°C A	R _{thJC} Diode K/W	Fig. No.	Package style
		T _C = 25°C	T _C = 90°C	T _C = 25°C	T _C = 90°C	T _C = 25°C	T _C = 90°C								
➤ New	V	A	A	V	V	V	V	ns	mJ	K/W	IGBT	A	K/W		
IXGN 100N160A	1600	100	50	6.0						0.21				X027a	ISOPLUS247™ X016a Weight = 5 g 
IXGH 6N170A	1700	6	3	7.0	32	0.26	0.25							X014a	
IXGT 6N170A		6	3	7.0	32	0.26	0.25							X019	
IXGH 10N170A		10	5	6.0	35	0.6	0.89							X014a	
IXGT 10N170A		10	5	6.0	35	0.6	0.89							X019	
IXGH 16N170A		16	11	5.0	70	2.0	0.65							X014a	
IXGT 16N170A		16	11	5.0	70	2.0	0.65							X019	
IXGH 24N170A		24	16	6.0	45	1.7	0.50							X014a	
IXGT 24N170A		24	16	6.0	45	1.7	0.50							X019	
IXGH 32N170A		32	21	5.0	50	2.4	0.35							X014a	
IXGT 32N170A		32	21	5.0	50	2.4	0.35							X019	
IXGH 16N170AH1		16	11	5.0	70	2.0	0.65	•	17	0.90				X014a	TO-268AA X019 Weight = 5 g 
IXGR 16N170AH1		16	8	5.0	40	1.1	1.04	•	15	1.50				X016a	
IXGT 16N170AH1		60	11	5.0	70	2.0	0.65	•	17	0.90				X019	
IXGH 24N170AH1		24	16	6.0	45	1.7	0.50	•	17	0.90				X014a	
IXGT 24N170AH1		24	16	6.0	45	1.7	0.50	•	17	0.90				X019	
IXGH 32N170AH1		32	21	5.0	50	3.0	0.35	•	25	0.90				X014a	TO-264 X020a Weight = 10 g 
IXGR 32N170AH1	26	17	5.2	50	2.4	0.65	•	14	1.50				X016a		
IXGT 32N170AH1	32	21	5.0	50	3.0	0.35	•	25	0.90				X019		
IXGX 32N170AH1	32	21	5.0	50	1.7	0.35	•	55	0.35				X015a		

Very High Voltage IGBTs

Low saturation voltage Types

Part Type	V _{CES}	I _{C25}		I _{C90}		V _{CE(sat)}		t _{fi} typ T _J = 25°C ns	E _{off} typ T _J = 125°C mJ	R _{thJC}	P _c	Fig. No.	Package style
		T _C = 25°C	T _C = 90°C	T _C = 25°C	T _C = 90°C	T _C = 25°C	T _C = 90°C						
➤ New	V	A	A	V	V	V	V	ns	mJ	K/W	W		
IXLF 19N250A	2500	32	19	3.9	250	30	0.5	250	X024c	X022e ISOPLUS264™ Weight = 10 g 			
IXGF 25N250		30		2.9	200	1.1	114	X024c					
IXGT 25N250		60		2.9	200	0.5	250	X019					
IXGK 75N250		180		2.3	175	0.17	735	X020a					
IXGL 75N250		120	60	2.5	180	0.31	400	X024c					
IXGX 75N250		180		2.3	175	0.17	735	X015a	ISOPLUS i4-PAC™ Weight = 6 g 				
IXGF 36N300	3000	in development										X024c	
IXGF 30N400	4000	in development										X024c	
IXEL 40N400	4000	62	40	4	450	220	0.33	380	X022e				