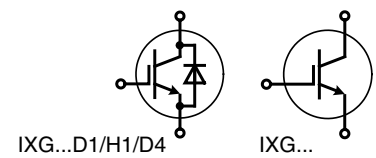
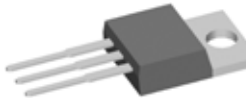
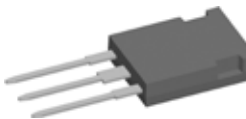
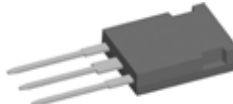


PT IGBTs

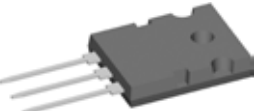
G Series A3, B3, C3 IGBTs



Part Type	V _{CES}	I _C	I _C	V _{CE(sat)}	t _{fi} typ T _J = 25°C	E _{off} typ T _J = 125°C	R _{thJC}	Diode	R _{thJC}	P _C	Fig. No.	Package Style	
➤ New	V	T _C = 25°C A	T _C = 110°C A	T _C = 25°C V	ns	mJ	K/W		Diode K/W	W		Outline drawings on pages O-29...O-51	
IXGH 30N120C3H1	1200	48	*	4.2	42	1.3	0.5	•	0.9	250	X014a	X005a	TO-220AB
IXGP 24N120C3		48	*	4.2	110	1.18	0.5	-	250	X005a			
IXGR 24N120C3D1		48		4.2	110	1.18	1	•	1.5	200	X016a		TO-263AB
IXGH 30N120B3D1		50	30	3.5	204	5.1	0.42	•	0.9	300	X014a		
IXGT 30N120B3D1		50	30	3.5	204	5.1	0.42	•	0.9	300	X019		
IXGA 30N120B3		60	30	3.5	204	5.1	0.42	-	300	X011b			
IXGH 30N120B3		60	30	3.5	204	5.1	0.42	-	300	X014a			
IXGP 30N120B3		60	30	3.5	204	5.1	0.42	-	300	X005a			
IXGR 55N120A3H1		70	30	2.35	282	29	0.62	•	0.42	200	X016a		
IXGT 32N120A3		75	32	2.35	1240	*	0.42	-	300	X019		TO-247AD	
IXGH 40N120C3D1		75	40	4.4	57	1.6	0.33	•	0.9	380			X014a
IXGH 50N120C3		75	50	4.2	64	2.1	0.27	-	200	X014a			
IXGH 32N120A3		75	*	2.35	1240	*	0.42	-	300	X014a			
IXGH 40N120C3		75	*	4.4	57	1.6	0.33	-	380	X014a			
IXGK 50N120C3H1		95	50	4.2	64	2.1	0.27	•	0.3	460			X020a
IXGN 50N120C3H1		95	50	4.2	64	2.1	0.27	•	0.3	460			X027a
IXGX 50N120C3H1		95	50	4.2	64	2.1	0.27	•	0.3	460			X015a
IXGK 55N120A3H1		125	55	2.3	282	29	0.27	•	0.42	460			X020a
IXGX 55N120A3H1		125	55	2.3	282	29	0.27	•	0.42	460			X015a
IXGN 82N120C3H1		130	58	3.9	100	4	0.21	•	0.42	595	X027a	X015a	PLUS247
IXGN 82N120B3H1		145	64	3.2	100	7.1	0.21	•	0.42	595	X027a		
IXGK 120N120B3		200	*	3.0	145	10.3	0.15	-	830	X020a		ISOPLUS247™	
IXGX 120N120B3		200	*	3.0	145	10.3	0.15	-	830	X015a			
IXGK 82N120B3		230	82	3.2	100	7.1	0.1	-	1250	X020a			
IXGX 82N120B3		230	82	3.2	100	7.1	0.1	-	1250	X015a			
IXGK 120N120A3		240	120	2.2	325	58	0.15	-	830	X020a	X016a	ISOPLUS247™	
IXGX 120N120A3		240	120	2.2	325	58	0.15	-	830	X015a			
IXGK 82N120A3		260	82	2.05	780	22.5	0.1	-	1250	X020a	X015a	ISOPLUS247™	
IXGX 82N120A3		260	82	2.05	780	22.5	0.1	-	1250	X015a			
IXGH 20N140C3H1	1400	42	*	5.0	32	1.64	0.5	•	0.9	250	X014a		TO-268AA
IXGT 20N140C3H1		42	*	5.0	32	1.64	0.5	•	0.9	250	X019		
IXGH 28N140B3H1		60	28	3.6	360	6.5	0.42	•	0.9	300	X014a		
IXGK 28N140B3H1		60	28	3.6	360	6.5	0.42	•	0.9	300	X020a		
IXGX 28N140B3H1		60	28	3.6	360	6.5	0.42	•	0.9	300	X015a		

* under progress

G-Series B4, C4 IGBTs

Part Type	V _{CES}	I _C T _C = 25°C	I _C T _C = 110°C	V _{CE(sat)} T _C = 25°C	t _{fi} typ T _J = 25°C	E _{off} typ T _J = 125°C	R _{thJC}	Diode	I _{F110} Diode T _C = 110°C	R _{thJC} Diode	P _C	Fig. No.		
➤ New	V	A	A	V	ns	mJ	K/W		A	K/W	W			
➤ IXGH 24N60C4	600	56	24	2.7	68	0.5	0.65		-	-	190	X014a		TO-264
➤ IXGH 24N60C4D1		56	24	2.7	68	0.5	0.65	•	18	1.6	190	X014a		
➤ IXGP 24N60C4		56	24	2.7	68	0.5	0.65		-	-	190	X005a		
➤ IXGP 24N60C4D1		56	24	2.7	44	0.52	0.65	•	30	2.5	190	X005a		
➤ IXGP 30N60B4D1		56	30	1.7	88	1.5	0.66	•	10	2.5	190	X005a		SOT-227B miniBLOC
➤ IXGH 30N60B4	66	30	1.7	88	1.5	0.66		-	-	190	X014a			
➤ IXGA 50N60C4	90	*	2.5	40	0.82	0.43		-	-	290	X011b			
➤ IXGH 50N60C4	90	*	2.5	40	0.82	0.43		-	-	290	X014a			
➤ IXGP 50N60C4	90	*	2.5	40	0.82	0.43		-	-	290	X005a			
➤ IXGQ 50N60C4D1		90	*	2.5	40	0.82	0.43	•	18	1.6	290	X017a		
* under progress														

* under progress