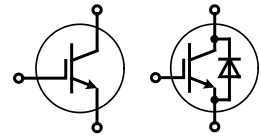
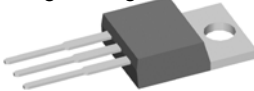

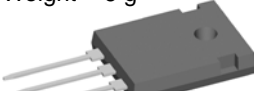
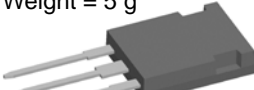
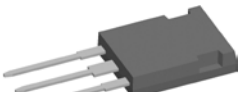

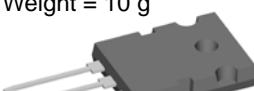
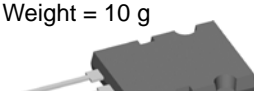
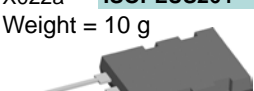
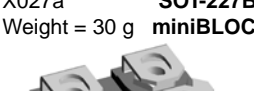
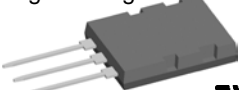




# Discrete IGBT G series 3<sup>rd</sup> Generation

xxxA3xx = low  $V_{CEsat}$  type, xxxB3xx = medium speed type, xxxC3xx = high speed type



Part Number	$V_{CES}$	$I_{C25}$ $T_C = 25^\circ C$	$I_{C90}$ $T_C = 90^\circ C$	$V_{CE(sat)}$ $T_C = 25^\circ C$	$t_{fi}$ typ. $T_J = 25^\circ C$	$E_{off}$ typ. $T_J = 125^\circ C$	$R_{thJC}$	Diode	$I_{F110}$ Diode $T_C = 110^\circ C$	$R_{thJC}$ Diode	$P_C$	Fig. No.	Package Style
➤ New	V	A	A	V	ns	mJ	K/W		A	K/W	W		Outline drawings on pages O-30...O-52
<b>IXGH 42N30C3</b>	300			1.80	65	0.28	0.56				223	X014a	X005a <b>TO-220AB</b>
<b>IXGH 60N30C3</b>		75		1.80	101	0.40	0.42				300	X014a	Weight = 4 g
<b>IXGH 85N30C3</b>		75		1.90	70		0.38				333	X014a	
<b>IXGH 100N30C3</b>		75		1.85	94	0.75	0.27				460	X014a	
<b>IXGH 120N30B3</b>		75	120	1.80			0.23				540	X014a	
<b>IXGH 120N30C3</b>		75		2.10	86	0.88	0.23				540	X014a	X011b <b>TO-263AB</b>
<b>IXGN 400N30A3</b>		400		1.15	315		0.17					X027a	Weight = 2 g
<b>IXGX 400N30A3</b>		400		1.15	315		0.13				1000	X015a	
<b>IXGH 28N60B3</b>	600	66		1.80	100	1.00	0.66					X014a	X014a <b>TO-247AD</b>
<b>IXGH 28N60B3D1</b>		66		1.80	100	1.00	0.66	•	10	1.00	190	X014a	Weight = 6 g
<b>IXGH 36N60A3D4</b>		75		1.50	325	5.30	0.56	•	10	2.50	220	X014a	
<b>IXGH 36N60B3D1</b>		75		1.80	100	1.50	0.50	•	10	0.90	250	X014a	
<b>IXGH 36N60B3D4</b>		75		1.80	100	1.50	0.56	•	10	2.50	220	X014a	
<b>IXGA 48N60B3</b>		75		1.80	116	1.29	0.42				300	X011b	
<b>IXGA 48N60C3</b>		75		2.50	38	1.57	0.48				300	X011b	X015a <b>PLUS247</b>
<b>IXGH 48N60A3</b>		75		1.35	224	5.60	0.42				300	X014a	Weight = 5 g
<b>IXGH 48N60A3D1</b>		75		1.35	224	5.60	0.42	•		0.90	300	X014a	
<b>IXGH 48N60B3</b>		75		1.80	116	1.29	0.42				300	X014a	
<b>IXGH 48N60B3D1</b>		75		1.80	116	1.29	0.42	•				X014a	
<b>IXGH 48N60C3</b>		75		2.50	38	0.57	0.48				300	X014a	X016a <b>ISOPLUS247™</b>
<b>IXGH 48N60C3D1</b>		75		2.50	38	0.57	0.42	•		0.90	300	X014a	Weight = 5 g
<b>IXGP 48N60B3</b>		75		1.80	116	1.29	0.42				300	X005a	
<b>IXGP 48N60C3</b>		75		2.50	38	0.57	0.48				300	X005a	
<b>IXGR 48N60B3</b>		60		2.10	116	1.30	0.83					X016a	
<b>IXGR 48N60B3D1</b>		60		2.10	116	1.30	0.83	•	27	1.50	150	X016a	
<b>IXGR 48N60C3D1</b>		56		2.70	38	0.57	1.00	•		1.50	125	X016a	Weight = 5 g
<b>IXGH 56N60B3D1</b>		75		1.80	95	2.20	0.23	•		1.50	333	X014a	
<b>IXGH 60N60C3</b>		75		2.50	55	0.90	0.33				380	X014a	
<b>IXGK 64N60B3D1</b>		75		1.80	88	1.95	0.27	•		0.85	460	X020a	
<b>IXGX 64N60B3D1</b>		75		1.80	88	1.95	0.27	•		0.85	460	X015a	X020a <b>TO-264</b>
<b>IXGH 72N60A3</b>		75		1.35	250	6.50	0.23				540	X014a	Weight = 10 g
<b>IXGH 72N60B3</b>		75		1.80	90	2.20	0.23				540	X014a	
<b>XGH 72N60C3</b>				2.50	55	0.48	0.23				540	X014a	
<b>IXGK 72N60B3H1</b>		75		1.80	92	2.20	0.23	•		0.30	540	X020a	
<b>IXGN 72N60A3</b>		150		1.30	300	9.00	0.42				300	X027a	
<b>IXGR 72N60A3</b>				1.35	253	3.50	0.62				200	X016a	X021a <b>PLUS264</b>
<b>IXGR 72N60A3U1</b>				1.35	253	6.50	0.62			0.65	200	X016a	Weight = 10 g
<b>IXGR 72N60B3H1</b>		75		1.80	92	2.20	0.62	•		0.80	200	X016a	
<b>IXGT 72N60A3</b>		75		1.35	250	6.50	0.23				540	X019	
<b>IXGT 72N60B3</b>		75		1.80	90	2.20	0.23				540	X019	
<b>IXGX 72N60B3H1</b>		75		1.80	92	2.20	0.23	•		0.30	540	X015a	X022a <b>ISOPLUS264™</b>
<b>IXGK 120N60A3</b>		200		1.35	260	6.60	0.16				780	X020a	Weight = 10 g
<b>IXGX 120N60A3</b>		200		1.35	260	6.60	0.16				780	X015a	
<b>IXGN 120N60A3</b>		200		1.35	260	6.60	0.21				595	X027a	
<b>IXGN 120N60A3D1</b>		200		1.35	260	6.60	0.21			1.60	595	X027a	
<b>IXGB 200N60B3</b>		75		1.50	183	4.20	0.10				1250	X021a	X027a <b>SOT-227B</b>
<b>IXGL 200N60B3</b>		150		1.50	183	2.90	0.31				400	X022a	Weight = 30 g <b>miniBLOC</b>
<b>IXGN 200N60B3</b>		300		1.50	183	4.20	0.15				830	X027a	
<b>IXGK 320N60A3</b>		320		1.25	740		0.13				1000	X020a	
<b>IXGN 320N60A3</b>		320		1.25	740		0.17				735	X027a	
<b>IXGX 320N60A3</b>		320		1.25	740		0.13				1000	X015a	
<b>IXGN 400N60A3</b>		400		1.25	740		0.15				830	X027a	