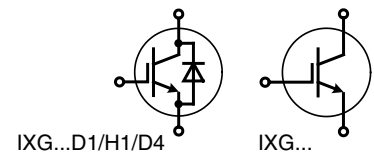


# PT IGBTs

G Series A3, B3, C3 IGBTs



Part Type	V <sub>CES</sub>	I <sub>C</sub> T <sub>C</sub> = 25°C	I <sub>C</sub> T <sub>C</sub> = 110°C	V <sub>CE(sat)</sub> T <sub>C</sub> = 25°C	t <sub>fi</sub> typ T <sub>J</sub> = 25°C	E <sub>off</sub> typ T <sub>J</sub> = 125°C	R <sub>thJC</sub>	Diode	R <sub>thJC</sub> Diode	P <sub>C</sub>	Fig. No.	Package Style
▶ New	V	A	A	V	ns	mJ	K/W		K/W	W		Outline drawings on pages O-29...O-51
▶ IXGA 42N30C3	300	*	42	1.8	65	0.2	0.56	-	-	223	X011b	X005a <b>TO-220AB</b>
IXGH 42N30C3		*	42	1.8	65	0.2	0.56	-	-	223	X014a	
▶ IXGP 42N30C3		*	42	1.8	65	0.2	0.56	-	-	223	X005a	
IXGH 60N30C3		75	60	1.8	68	0.3	0.42	-	-	300	X014a	
IXGH 85N30C3		75	85	1.9	70	0.39	0.375	-	-	333	X014a	
IXGH 100N30B3		75	100	1.7	33	*	0.27	-	-	460	X014a	X011b <b>TO-263AB</b>
IXGH 100N30C3		75	100	1.85	94	0.52	0.27	-	-	460	X014a	
▶ IXGH 120N30B3		75	120	1.7	64	*	0.23	-	-	540	X014a	
IXGH 120N30C3		75	120	2.1	86	0.73	0.23	-	-	540	X014a	
▶ IXGK 400N30A3	400	200	200	1.15	107	*	0.125	-	-	1000	X020a	
IXGN 400N30A3	400	200	200	1.15	107	*	0.17	-	-	735	X027a	
IXGX 400N30A3	400	200	200	1.15	107	*	0.125	-	-	1000	X015a	X014a <b>TO-247AD</b>
IXGR 48N60C3D1	600	56	26	2.7	38	0.57	1	• 1.5	-	125	X016a	
IXGR 48N60B3		60	27	2.1	116	1.3	0.83	-	-	150	X016a	
IXGR 48N60B3D1		60	27	2.1	116	1.3	0.83	• 1.5	-	150	X016a	
IXGA 30N60C3		60	30	3	47	0.33	0.56	-	-	220	X011b	
IXGA 30N60C3D4		60	30	3	47	0.33	0.56	• 2.5	-	220	X011b	X015a <b>PLUS247</b>
IXGH 30N60C3		60	30	3	47	0.33	0.56	-	-	220	X014a	
IXGH 30N60C3D1		60	30	3	47	0.33	0.56	• 0.9	-	220	X014a	
IXGP 30N60C3		60	30	3	47	0.33	0.56	-	-	220	X005a	
IXGP 30N60C3D4		60	30	3	47	0.33	0.56	• 2.5	-	220	X005a	
IXGT 30N60C3D1		60	30	3	47	0.33	0.56	• 0.9	-	220	X019	
IXGH 28N60B3D1		66	28	1.8	100	1	0.66	• 1	-	190	X014a	X016a <b>ISOPLUS247™</b>
IXGR 60N60C3D1		75	30	2.5	50	0.8	0.73	• 1.5	-	170	X016a	
IXGR 72N60C3D1		75	35	2.7	55	0.93	0.62	• 0.85	-	200	X016a	
IXGH 36N60A3D4		75	36	1.4	325	5.3	0.56	• 2.5	-	220	X014a	
IXGR 72N60B3D1		75	40	1.8	90	2.2	0.62	• 0.85	-	200	X016a	
IXGR 72N60B3H1		75	40	1.8	92	2.2	0.62	• 0.8	-	200	X016a	
IXGA 48N60C3		75	48	2.5	38	0.57	0.42	-	-	300	X011b	X019 <b>TO-268AA</b>
IXGH 48N60A3D1		75	48	1.35	224	5.6	0.42	• 0.9	-	300	X014a	
IXGH 48N60C3		75	48	2.5	38	0.57	0.42	-	-	300	X014a	
IXGH 48N60C3D1		75	48	2.5	38	0.57	0.42	• 0.9	-	300	X014a	
IXGP 48N60C3		75	48	2.5	38	0.57	0.42	-	-	300	X005a	
IXGH 60N60C3		75	60	2.5	50	0.8	0.33	-	-	380	X014a	
IXGH 60N60C3D1		75	60	2.5	50	0.8	0.33	• 0.9	-	380	X014a	X020a <b>TO-264</b>
IXGT 60N60C3D1		75	60	2.5	50	0.8	0.33	• 0.9	-	380	X019	
IXGH 72N60A3		75	72	1.35	250	6.5	0.23	-	-	540	X014a	
IXGH 72N60B3		75	72	1.8	90	2.2	0.23	-	-	540	X014a	
IXGH 72N60C3		75	72	2.5	55	0.93	0.23	-	-	540	X014a	
IXGK 72N60A3H1		75	72	1.35	250	6.5	0.23	• 0.3	-	540	X020a	
IXGK 72N60B3H1		75	72	1.8	92	2.2	0.23	• 0.3	-	540	X020a	X021a <b>PLUS264</b>
IXGR 72N60A3H1		75	72	1.35	250	6.5	0.62	• 0.8	-	200	X016a	
IXGT 72N60A3		75	72	1.35	250	6.5	0.23	-	-	540	X019	
IXGT 72N60B3		75	72	1.8	90	2.2	0.23	-	-	540	X019	
IXGX 72N60A3H1		75	72	1.35	250	6.5	0.23	• 0.3	-	540	X015a	
IXGX 72N60B3H1		75	72	1.8	92	2.2	0.23	• 0.3	-	540	X015a	
IXGX 72N60C3H1		75	72	2.5	55	0.93	0.23	• 0.3	-	540	X015a	X027a <b>SOT-227B miniBLOC</b>
IXGH 90N60B3		75	90	1.8	148	2.8	0.19	-	-	660	X014a	
IXGB 200N60B3		75	200	1.5	183	4.2	0.1	-	-	1250	X021a	
IXGN 72N60C3H1		78	52	2.5	55	0.93	0.35	• 0.42	-	360	X027a	
IXGH 36N60B3		92	36	1.8	100	1.5	0.5	-	-	250	X014a	
IXGH 56N60B3		130	56	1.8	95	2.2	0.375	-	-	330	X014a	

\* under progress