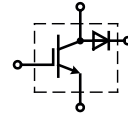
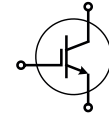


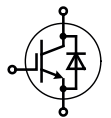
# Discrete XPT™ / X2PT™ / NPT IGBT



IXA...R...



IXA...I... IXD...



IXA...IF... IXD...D1

## XPT™ IGBT

XPT = Xtreme light Punch Through

Type	V <sub>CES</sub>	I <sub>C25</sub> IGBT	I <sub>C100</sub> IGBT	V <sub>CEsat</sub> typ IGBT	E <sub>off</sub> IGBT	R <sub>thJC</sub> IGBT	Diode	I <sub>F100</sub> Diode	Fig. No.	Package style
➤ New		T <sub>C</sub> = 25°C	T <sub>C</sub> = 100°C	T <sub>J</sub> = 25°C	T <sub>J</sub> = 125°C			T <sub>C</sub> = 100°C		Outline drawings on pages O-36...O-59
○ Not for new design		A	A	V	mJ	K/W		A		
◇ under development	V									
<b>1200 V XPT™ IGBT</b>										
IXA 4IF1200UC	1200	9	5	1.8	0.25	2.70	•	6	X004	X004 <b>TO-252AA</b> 
◇ IXA 4IF1200PZ		9	5	1.8	0.25	2.70	•	6	X011c	
IXA 4IF1200TC		9	5	1.8	0.25	2.70	•	6	X019	X005a <b>TO-220AB</b> 
IXA 12IF1200HB		20	13	1.8	1.10	1.50	•	14	X014a	
IXA 12IF1200PB		20	13	1.8	1.10	1.50	•	14	X005a	X011c <b>TO-263ABHV</b> 
○ IXA 12IF1200TC		20	13	1.8	1.10	1.50	•	14	X019	
IXA 17IF1200HJ		28	18	1.8	1.70	1.26	•	19	X016a	X014a <b>TO-247AD</b> 
◇ IXA 20IF1200HR		33	19	1.8	1.70	0.95	•	22	X016c	
○ IXA 20IF1200HB		38	22	1.8	1.70	0.76	•	24	X014a	X016a <b>ISOPLUS247™</b> 
IXA 20I1200PB		38	22	1.8	1.70	0.76	-	-	X005a	
IXA 20I1200PZ		38	22	1.8	1.70	0.76	-	-	X011c	X016c <b>ISO247™</b> 
IXA 27IF1200HJ		43	24	1.8	3.00	0.84	•	25	X016a	
◇ IXA 30IF1200HR		48	27	1.8	3.00	0.70	•	30	X016c	X019 <b>TO-268AA</b> 
IXA 33IF1200HB		58	34	1.8	3.00	0.50	•	33	X014a	
IXA 37IF1200HJ		58	33	1.8	4.10	0.64	•	25	X016a	X027a <b>SOT-227B miniBLOC</b> 
◇ IXA 40IF1200HR		63	36	1.8	4.10	0.64	•	30	X016c	
IXA 45IF1200HB		78	45	1.8	4.10	0.38	•	33	X014a	
IXA 55I1200HJ		84	54	1.8	5.50	0.43	-	-	X016a	
IXA 60IF1200NA		88	56	1.8	5.50	0.43	•	51	X027a	
IXA 70I1200NA		100	65	1.8	5.50	0.35	-	-	X027a	
IXA 70R1200NA <sup>1)</sup>		100	65	1.8	5.50	0.35	•	55	X027a	
<b>1200 V X2PT™ IGBT</b>										
◇										
➤ IXG 70IF1200NA	1200	130	86	1.8	5.3 (150°C)	0.38	•	71	X027a	

<sup>1)</sup> boost configuration <sup>2)</sup> limited by bonds