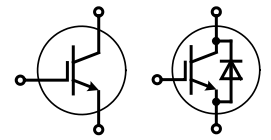
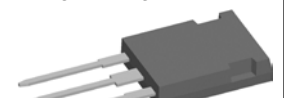
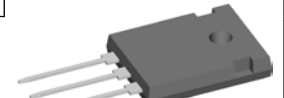
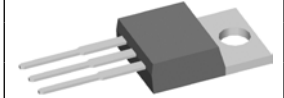


S Series IGBTs with SCSOA Capability

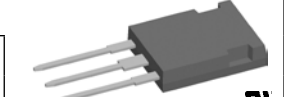
Medium speed (1 kHz to 20 kHz) Single IGBT



Part Number	V _{CEs}	I _{C25}	I _{C110}	V _{CE(sat)}	t _{fi}	E _{off}	R _{thJC}	Diode	I _{F110}	R _{thJC}	P _c	Fig. No.	Package Style
		T _C = 25°C	T _C = 110°C	T _C = 25°C	typ. T _J = 25°C	typ. T _J = 125°C	Diode T _C = 110°C		Diode	W			
➤ New	V	A	A	V	ns	mJ	K/W		A	K/W	W		Outline drawings on pages O-30...O-52
IXSA 10N60B2D1	600	20	10	2.50	270	0.43	1.25	•	11	2.50	100	X011b	X005a TO-220AB Weight = 4 g
IXSH 10N60B2D1		20	10	2.50	165	0.79	1.25	•	11	2.50	100	X014a	
IXSP 10N60B2D1		20	10	2.50	270	0.43	1.25	•	11	2.50	100	X005a	
IXSQ 10N60B2D1		20	10	2.50	165	0.79	1.25	•	11	2.50	100	X017a	
IXSA 20N60B2D1		35	20	2.50	126	0.97	0.66	•	11	2.50	190	X011b	X011b TO-263AB Weight = 2 g
IXSH 20N60B2D1		35	20	2.50	126	0.97	0.21	•	21	1.60	190	X014a	
IXSP 20N60B2		35	20	2.50	126	0.97	0.66				190	X005a	
IXSP 20N60B2D1		35	20	2.50	126	0.97	0.66	•	11	2.50	190	X005a	
IXSQ 20N60B2D1		35	20	2.50	126	0.97	0.21	•	21	1.60	190	X017a	X014a TO-247AD Weight = 6 g
IXSH 30N60B2D1		48	30	2.50	140	1.18	0.50	•	28	0.90	250	X014a	
IXST 30N60B2D1		48	30	2.50	234	1.18	0.50	•	28	0.90	250	X019	X015a PLUS247 Weight = 5 g
IXSH 40N60B2D1		75		2.20	120	2.60	0.48	•		0.75	280	X014a	
IXST 40N60B2D1		75		2.20	120			•		0.75		X019	



X016a **ISOPLUS247™**
Weight = 5 g



xxxAxx = low V_{CEsat} type=, xxxBxx = medium speed type

IXSH 24N60B	600	48	24	2.50	170	2.40	0.83				150	X014a	X017a TO-3P Weight = 5 g	
IXSH 24N60BD1		48	24	2.50	170	2.40	0.83	•		0.90	150	X014a		
IXSP 24N60B		48	24	2.50	170	2.40	0.83				150	X005a		
IXST 24N60B		48	24	2.50	170	2.40	0.83				150	X019		
IXSH 30N60B		55	30	2.00	140	2.50	0.62					200	X014a	X019 TO-268AA Weight = 5 g
IXSH 30N60BD1		55	30	2.70	140	2.50	0.62	•		0.09	200	X014a		
IXST 30N60B		55	30	2.00	270	1.50	0.62				200	X019		
IXSH 30N60C		55	30	2.00	140	2.50	0.62				200	X014a		
IXSH 40N60B		75	40	2.20	120	1.80	0.45					280	X014a	X020a TO-264 Weight = 10 g
IXST 40N60B		75	40	2.20	120	2.00	0.45				280	X019		
IXSH 50N60B		75	50	2.50	150	4.80	0.50				250	X014a		
IXSK 80N60B		160	80	2.50	180		0.26				500	X020a		
IXSX 80N60B		160	80	2.50	180		0.26				500	X015a	X015a	
IXSH 15N120B		1200	30	15	3.40	126	3.10	0.83				150		X014a
IXST 35N120B			70	35	3.60	180	9.00	0.42						X019
IXSR 35N120BD1			70	30	3.60	180	9.00	0.50	•		0.83	250		X016a
IXSX 35N120BD1	70		35	3.60	180	9.00	0.42	•		0.65	300	X015a		
IXSH 45N120B	75		45	3.00	380	22.00	0.42				300	X014a		
IXST 45N120B	75		45	3.00	380	22.00	0.42				300	X019		
IXSH 35N140A	1400	70	35	4.00	200	9.50	0.42				300	X014a		