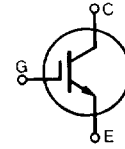
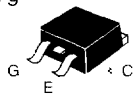
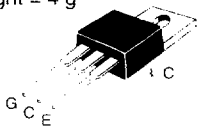
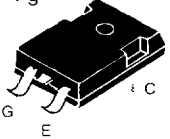
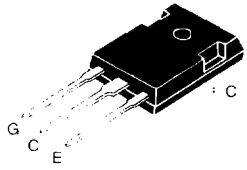
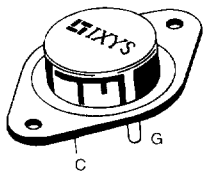
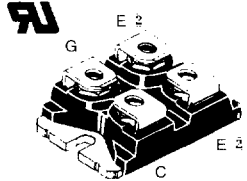


Insulated Gate Bipolar Transistors (IGBT)



G series with high gain

Type	V_{CES} V	I_C		$V_{CE(sat)}$ max. V	C_{iss} typ. pF	C_{res} typ. pF	t_{fi} typ. 25°C μ s	$R_{th(jc)}$ max. K/W	P_C max. 25°C W	Fig. No.	Package style Outlines on page 40 G = Gate, E = Emitter, C = Collector		
		$T_c = 25^\circ\text{C}$ A	$T_c = 90^\circ\text{C}$ A										
low $V_{CE(sat)}$													
IXGA 10N60	600	20	10	2.5	750	30	0.3	1.25	100	1	Fig. 1 TO-263AA Weight = 2 g 		
IXGH 10N60		20	10	2.5	750	30	0.3	1.25	100	4			
IXGH 20N60		40	20	2.5	1500	40	0.4	0.83	150				
IXGH 31N60		40	31	1.8	1500	40	0.8	0.83	150				
IXGH 30N60		50	30	2.5	2800	70	0.2	0.62	200				
IXGH 38N60		76	38	1.8	2500	70	0.5	0.62	200				
IXGH 40N60		75	40	2.5	4500	60	0.6	0.50	250				
IXGH 60N60		75	60	1.8	4000	100	0.5	0.50	250				
IXGH 10N100	1000	20	10	3.5	750	30	0.8	1.25	100		Fig. 2 TO-220AB Weight = 4 g 		
IXGA 12N100		24	12	4.0	750	30	1.0	1.25	100	1			
IXGH 12N100		24	12		750	30	1.0	1.25	100	4			
IXGP 12N100		24	12		750	30	1.0	1.25	100	2			
IXGH 17N100		34	17		1500	40	0.75	0.83	150				
IXGH 25N100		50	25		2750	50	0.95	0.62	200				
IXGH 25N120	1200	50	25	3.0	2750	50	1.2	0.62	200				
IXGN 200N60	600	200	100	2.5	9000	305	0.35	0.21	600	7	Fig. 3 TO-247 SMD Weight = 4 g 		
High speed													
IXGH 24N50B	500	48	24	2.3	1500	40	0.08	0.83	150	4	Fig. 4 TO-247 AD Weight = 6 g 		
IXGH 32N50B		60	32		2500	70	0.08	0.62	200				
IXGH 50N50B		75	50		4000	100	0.08	0.50	250				
IXGP 10N60A	600	20	10	3.0	750	30	0.3	1.25	100	2	Fig. 5a TO-204 AE Weight = 12 g 		
IXGA 10N60A		20	10	3.0	750	30	0.3	1.25	100	1			
IXGH 10N60A		20	10	3.0	750	30	0.3	1.25	100	4			
IXGH 20N60A		40	20	3.0	1500	40	0.2	0.83	150				
IXGH 24N60A		48	24	2.7	1500	40	0.275	0.83	150				
IXGH 24N60B		48	24	2.5	1500	40	0.08	0.83	150				
IXGH 30N60A		50	30	3.0	2800	70	0.2	0.62	200				
IXGH 32N60A		60	32	2.9	2500	70	0.125	0.62	200				
IXGH 32N60AS		600	60	32	2.9	2500	70	0.125	0.62	200		3	Fig. 7 SOT-227B miniBLOC Weight = 30 g 
IXGH 32N60B			60	32	2.5	2500	70	0.08	0.62	200		4	
IXGH 32N60BS	60		32	2.5	2500	70	0.08	0.62	200	3			
IXGH 40N60A	75		40	3.0	4500	60	0.3	0.50	250	4			
IXGH 50N60A	75		50	2.7	4000	100	0.275	0.50	250				
IXGH 50N60AS	75		50	2.7	4000	100	0.275	0.50	250	3			
IXGH 50N60B	75		50	2.5	4000	100	0.08	0.50	250	4			
IXGH 10N100A	1000		20	10	4.0	750	30	0.5	1.25	100		Fig. 5a TO-204 AE Weight = 12 g	
IXGA 12N100A		24	12	3.5	750	30	0.7	1.25	100	1			
IXGH 12N100A		24	12		750	30	0.7	1.25	100	4			
IXGP 12N100A		24	12		750	30	0.7	1.25	100	2			
IXGH 17N100A		34	17		1500	40	0.45	0.83	150				
IXGH 25N100A		50	25		2750	50	0.5	0.62	200				
IXGH 25N120A	1200	50	25	4.0	2750	50	0.8	0.62	200				
low $V_{CE(sat)}$													
IXGM 20N60	600	40	20	2.5	1500	40	0.4	0.83	150	5a	Fig. 7 SOT-227B miniBLOC Weight = 30 g		
IXGM 30N60		50	30		2800	70	0.2	0.62	200				
IXGM 40N60		75	40		4500	60	0.6	0.50	250				
IXGM 17N100	1000	34	17	3.5	1500	40	0.45	0.83	150				
IXGM 25N100		50	25		2750	50	0.5	0.62	200				
High speed													
IXGM 20N60A	600	40	20	3.0	1500	40	0.2	0.83	150	7	Fig. 7 SOT-227B miniBLOC Weight = 30 g		
IXGM 30N60A		50	30		2800	70	0.2	0.62	200				
IXGM 40N60A		75	40		4500	60	0.3	0.50	250				
IXGM 17N100A	1000	34	17	4.0	1500	40	0.45	0.83	150				
IXGM 25N100A		50	25		2750	50	0.8	0.62	200				
IXGN 200N60A	600	200	100	2.7	9000	305	0.2	0.21	600	7			

± Either Terminal can be used as Kelvin or Main.