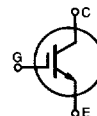


Discrete IGBT

Ultra High Speed
IGBTs = Suffix C

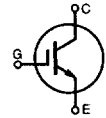


High Speed Series

V_{CES} V	$I_{C(PS)}$ A	$V_{CE(SAT)}$ max V	t_n typ ns	TO-220 (P)  TO-263 (A)  I3-Pac (J) 	PLUS247™ (X)  TO-247 (H) 	TO-268AA (T)  ISOPLUS220 (C) 	TO-204 (M)  ISOPLUS247™ (R)  TO-264 (K) 	SOT-227B (N)  PLUS264™ (B) 
New								
LOW SATURATION VOLTAGE TYPES								
600	40	2.0	200		➤ IXGH28N60B	➤ IXGT28N60B		
	60	1.7	400		IXGH31N60	IXGT31N60		
	66	1.8	200				➤ IXGR39N60B	
	76	1.8	200		IXGH39N60B	IXGT39N60B		
	76	1.6	450		IXGH41N60			
	75	1.7	360		IXGH60N60	IXGT60N60	IXGK60N60	
	100	1.7	360					IXGN60N60
1000	4	2.7	560	IXGP2N100				
	8	2.7	340	➤ IXGA4N100				
	8	2.7	340	➤ IXGP4N100				
	16	2.7	390	IXGA8N100				
	16	2.7	390	IXGP8N100				
	20	3.5	1000	IXGA12N100*	IXGH12N100*			
	20	3.5	1000	IXGP12N100*				
1200	40	3.0	300	IXGA20N100				
	40	3.0	300	IXGP20N100				
	40	3.0	300		IXGH20N100	IXGT20N100		
	50	3.5	500		IXGH25N100*	IXGM25N100*		
	40	2.5	380	➤ IXGA20N120	➤ IXGH20N120	➤ IXGT20N120		
	40	2.5	380	➤ IXGP20N120				
	50	3.5	1200		IXGH25N120*			
1200	75	2.5	390		IXGH45N120	IXGT45N120		
HIGH SPEED TYPES								
600	14	1.8	150	IXGA7N60B				
	14	1.8	150	IXGP7N60B				
	14	2.5	45	IXGA7N60C				
	14	2.5	45	IXGP7N60C				
	20	2.7	55	IXGA12N60C	IXGH12N60C			
	20	2.7	55	IXGP12N60C				
	24	2.1	120	IXGA12N60B	IXGH12N60B			
	24	2.1	120	IXGP12N60B				
	40	2.0	100	IXGA20N60B	IXGH20N60B	IXGT20N60B		
	40	2.0	100	IXGP20N60B				
	40	2.3	60			➤ IXGC24N60C		
	48	2.3	80		IXGH24N60B	IXGT24N60B		
	48	2.3	60		IXGH24N60C	IXGT24N60C		
	60	1.8	130		IXGH30N60B	IXGT30N60B		
	60	2.3	80		IXGH32N60B		IXGR32N60C	
	60	2.5	55		IXGH32N60C	IXGT32N60C		
	70	2.2	120				IXGR40N60B	
**75	75	2.2	120		IXGH40N60B	IXGT40N60B		
	75	2.5	75		IXGH40N60C	IXGT40N60C	IXGR40N60C	
	75	2.3	85				➤ IXGR50N60B	
	75	2.3	85		IXGH50N60B	IXGT50N60B	IXGK50N60B	IXGN50N60B
	**75	2.3	150				➤ IXGK75N60B	

Discrete IGBT

Ultra High Speed
IGBTs = Suffix C



High Speed Series

V_{CES} V	$I_{CP(25)}$ A	$V_{CE(SAT)}$ max V	t_{fl} typ ns	TO-220 (P) TO-263 (A) I3-Pac (J) 	PLUS247™ (X) TO-247 (H) 	TO-268AA (T) TO-204 (M) ISOPLUS220 (C) 	ISOPLUS247™(R) TO-264 (K) 	SOT-227B (N) PLUS264™ (B)
New								
HIGH SPEED TYPES								
600	100	2.3	150					➤ IXGN75N60B
	**75	2.1	160		IXGX120N60B		IXGK120N60B IXGR120N60B	
	**75	2.1	160					
	200	2.1	160					IXGN200N60B
900	24	3.0	70		IXGH12N90C			
	51	1.8	130		IXGH28N90B	IXGT28N90B		
1000	4	3.5	180	➤ IXGP2N100A				
	20	4.0	500	IXGA12N100A*	IXGH12N100A*			
	20	4.0	500	IXGP12N100A*				
	30	3.5	115	IXGA15N100C IXGP15N100C				
	30	3.5	115					
	34	4.0	450		IXGH17N100A*	IXGM17N100A*		
	50	4.0	500		IXGH25N100A*	IXGM25N100A*		
1200	30	3.8	115	IXGA15N120C	IXGH15N120C	IXGT15N120C		
	30	3.8	115	IXGP15N120C				
	30	3.2	160	IXGA15N120B	IXGH15N120B	IXGT15N120B		
	30	3.2	160	IXGP15N120B				
	50	4.0	600		IXGH25N120A*			
	70	4.0	115		IXGH35N120C	IXGT35N120C	➤ IXGR35N120C	
	70	3.2	160		IXGH35N120B	IXGT35N120B	➤ IXGR35N120B	
1700	6	tbd	40		➤ IXGH6N170A	➤ IXGT6N170A		
	10	tbd	40		➤ IXGH10N170A	➤ IXGT10N170A		
	16	tbd	40		➤ IXGH16N170A	➤ IXGT16N170A		
	32	tbd	40		➤ IXGH32N170A	➤ IXGT32N170A		

Notes:

* - not for new design ** - Lead terminal current limit.

Outline drawings on page 91-100.