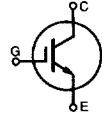


# Discrete IGBT

Ultra High Speed  
IGBTs = Suffix C

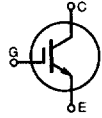


## High Speed Series

$V_{CES}$ V	$I_{C(25)}$ A	$V_{CE(SAT)}$ max V	$t_n$ typ ns	TO-220 (P) 	PLUS247™ (X) 	TO-268AA (T) 	TO-204 (M) 	ISOPLUS247™ (R) 	SOT-227B (N) 	
New				TO-263 (A) 	I3-Pac (J) 	TO-247 (H) 	ISOPLUS220 (C) 	TO-264 (K) 	PLUS264™ (B) 	
<b>LOW SATURATION VOLTAGE TYPES</b>										
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*						
	40	3.0	300	IXGA20N100						
	40	3.0	300	IXGP20N100						
	40	3.0	300		IXGH20N100	IXGT20N100				
	50	3.5	500		IXGH25N100*	IXGM25N100*				
1200	40	2.5	380	▶ IXGA20N120	▶ IXGH20N120	▶ IXGT20N120				
	40	2.5	380	▶ IXGP20N120						
	50	3.5	1200		IXGH25N120*					
	75	2.5	390		IXGH45N120	IXGT45N120				
<b>HIGH SPEED TYPES</b>										
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					
	60	2.5	55		IXGH32N60C	IXGT32N60C	IXGR32N60C			
70	2.2	120						IXGR40N60B		
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	$I_{CP25}$ A	$V_{CES(AT)}$ max V	$t_{fl}$ typ ns	TO-220 (P)		PLUS247™ (X)		TO-268AA TO-204 (T) (M)		ISOPLUS247™(R)		SOT-227B (N)	
				TO-263 (A)	I3-Pac (J)	TO-247 (H)	ISOPLUS220 (C)	TO-264 (K)	PLUS264™ (B)				
<div style="display: flex; justify-content: space-between;"> <span>▶ New</span> </div>													
<b>HIGH SPEED TYPES</b>													
600	100	2.3	150										▶ IXGN75N60B
	**75	2.1	160				IXGX120N60B			IXGK120N60B			
	**75	2.1	160							IXGR120N60B			
	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							
	30	3.5	115			IXGP15N100C							
	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	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.