

IGBTs / IGBT

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(Discrete IGBTs) / (ディスクリート IGBT)

Part Number	Applications	Features	Absolute Maximum Ratings (Ta = 25°C)				Package		Circuit Configuration	V _{CE(sat)} Typ. @ Ta = 25°C			t _f Typ. @ Ta = 25°C		Remarks			
			V _{CE(s)} (V)	I _c		P _c		Type		I _c (A)	V _{GE} (V)	t _f (μs)	Test Conditions					
				DC (A)	Pulsed (A)	Ta = 25°C (W)	Tc = 25°C (W)											
GT15J341 *	Power supplies (and UPS/PFC/Motor)	High-speed switching	600	15	60	—	30	TO-220SIS	Isolation, Through-hole	(2)	1.5	15	15	0.08	Inductive load	6th generation		
GT20J341 *				20	80	—	45	TO-220SIS	Isolation, Through-hole	(2)	1.5	20	15	0.05		6th generation		
GT30J121				30	60	—	170	TO-3P(N)	Through-hole	(1)	2.0	30	15	0.05				
GT30J126				30	60	—	90	TO-3P(N)IS	Isolation, Through-hole	(1)	1.95	30	15	0.05				
GT30J341 *				59	120	—	230	TO-3P(N)	Through-hole	(2)	1.5	30	15	0.04		6th generation, T _J = 175°C		
GT50J342 *				55	200	—	394	TO-3P(N)	Through-hole	(2)	1.5	50	15	0.05	6th generation, T _J = 175°C			
GT20J121 *	Power factor correction	Low-frequency switching	600	20	80	—	40	TO-220SIS	Isolation, Through-hole	(1)	1.25	20	15	0.27	Partial switching converter			
GT30J122A				30	100	—	120	TO-3P(N)	Through-hole	(1)	1.7	50	15	0.2				
GT40J121				40	100	—	80	TO-3P(N)IS	Isolation, Through-hole	(1)	1.45	40	15	0.2				
GT30J322	IH rice cookers, IH cooktops, Microwave ovens, Induction heating equipment AC200 V	Current resonance	600	30	100	—	75	TO-3P(N)IS	Isolation, Through-hole	(2)	2.1	50	15	0.25				
GT35J321				37	100	—	75	TO-3P(N)IS	Isolation, Through-hole	(2)	1.9	50	15	0.19				
GT40J324				40	100	—	200	TO-3P(N)	Through-hole	(2)	2.1	40	15	0.04	6th generation, T _J = 175°C			
GT40J325				40	100	—	80	TO-3P(N)IS	Isolation, Through-hole	(2)	1.45	40	15	0.2	6th generation			
GT50J341				50	100	—	200	TO-3P(N)	Through-hole	(2)	1.6	50	15	0.15	6th generation, T _J = 175°C			
GT50JR21				50	100	—	230	TO-3P(N)	Through-hole	(2)	1.45	50	15	0.08	6.5th generation, T _J = 175°C			
GT50JR22				50	100	—	230	TO-3P(N)	Through-hole	(2)	1.55	50	15	0.05	6.5th generation, T _J = 175°C			
GT35MR21				IH rice cookers, IH cooktops, Microwave ovens, Induction heating equipment AC100 V	Voltage resonance	900	35	100	—	82	TO-3P(N)IS	Isolation, Through-hole	(2)	1.6	35	15	0.20	6.5th generation
GT50MR21							50	100	—	230	TO-3P(N)	Through-hole	(2)	1.7	50	15	0.18	6.5th generation, T _J = 175°C
GT50N322A							50	120	—	156	TO-3P(N)	Through-hole	(2)	2.2	60	15	0.1	High-speed
GT50N324	50	120	—				150	TO-3P(N)	Through-hole	(2)	1.9	60	15	0.11	6th generation			
GT50NR21	1050	50	100				—	230	TO-3P(N)	Through-hole	(2)	1.8	50	15	0.2	6.5th generation, T _J = 175°C		
GT60PR21 *	1100	60	120				—	333	TO-3P(N)	Through-hole	(2)	2.0	60	15	0.16	6.5th generation, T _J = 175°C		
GT40QR21	IH rice cookers, IH cooktops, Microwave ovens, Induction heating equipment AC200 V	Voltage resonance	1200	40	80	—	230	TO-3P(N)	Through-hole	(2)	1.9	40	15	0.2	6.5th generation, T _J = 175°C			
GT40RR21				1350	40	80	—	230	TO-3P(N)	Through-hole	(2)	2.0	40	15	0.21	6.5th generation, T _J = 175°C		
GT40WR21				1800	40	80	—	375	TO-3P(N)	Through-hole	(2)	2.9	40	15	0.15	6.5th generation, T _J = 175°C		
GT5G134	Digital still cameras, single-lens reflex cameras	Strobe flash (dimming control)	400	—	110	1.9	—	SOP-8	SMD	(3)	2.2	110	4.0	0.6	I _{CP} = 110 A @ V _{GE} = 4.0 V gate drive, high-speed			
GT30F124	PDP-TV	PDP sustain, energy recovery and separation circuits	360	300	—	200	—	25	TO-220SIS	Isolation, Through-hole	(1)	2.3	120	15	0.15	6th generation		
GT30F126				330	—	200	—	18	TO-220SIS	Isolation, Through-hole	(1)	2.6	120	15	0.15	6th generation		
GT30F133				330	—	200	—	60	DPAK	SMD	(1)	2.3	100	15	0.185	6th generation		
GT30F131				—	200	—	140	TO-220SM (MXN)	SMD	(1)	1.9	120	15	0.17	6th generation			
GT30F132				—	250	—	140	TO-220SM (MXN)	SMD	(1)	1.8	120	15	0.15	7th generation			
GT45F132				—	200	—	140	TO-220SM (MXN)	SMD	(1)	1.6	120	15	0.22	7th generation			
GT30G124				430	—	200	—	25	TO-220SIS	Isolation, Through-hole	(1)	2.5	120	15	0.23	6th generation		
GT30J127				600	—	200	—	25	TO-220SIS	Isolation, Through-hole	(1)	2.6	120	15	0.3	6th generation		

* Contact the Toshiba sales representative for information about RoHS compliance before you purchase any components.

*: New product / 新製品

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Circuit Configuration / 内部接続

