

# Insulated Gate Bi-polar Transistors

Part No.	V <sub>CES</sub>	I <sub>C</sub>	I <sub>CM</sub>	V <sub>CE(sat)</sub> @ I <sub>C</sub>	IGBT Switching		V <sub>F</sub> I <sub>F</sub> = I <sub>C</sub>	Diode Recovery			T <sub>JM</sub>	R <sub>thJK</sub>		Fig. No.
					Typical			Typical				IGBT	Diode	
					E <sub>ON</sub>	E <sub>OFF</sub>		I <sub>rm</sub>	t <sub>rr</sub>	Q <sub>r</sub>				
➤ New	V	A	A	V	J	J	V	A	μs	μC	°C			
➤ T0600NC17A	1700	600	1200	3.0	0.29	0.50	2.25	300	0.5	175	125	0.0541	0.125	W40
➤ T0840NC17E	1700	840	1680	3.0	0.41	0.70	N/A	N/A	N/A	N/A	125	0.0386	N/A	W40
T0960VC17G	1700	960	1920	3.0	0.47	0.80	2.05	540	0.6	310	125	0.0338	0.0625	W67
➤ T1440VC17E	1700	1440	2880	3.0	0.70	1.20	N/A	N/A	N/A	N/A	125	0.0225	N/A	W67
➤ T1680TC17G	1700	1680	3360	3.0	0.82	1.40	2.05	945	0.5	545	125	0.0193	0.0357	W41
T0360ND25A	2500	360	720	3.05	0.47	0.66	2.25	320	1.2	300	125	0.0541	0.125	W40
T0500ND25E	2500	500	1000	3.05	0.65	0.87	N/A	N/A	N/A	N/A	125	0.0386	N/A	W40
T0570VD25G	2500	570	1140	3.05	0.75	1.05	2.07	400	1.2	420	125	0.0338	0.0625	W67
T0850VD25E	2500	850	1700	3.05	1.10	1.60	N/A	N/A	N/A	N/A	125	0.0225	N/A	W67
T1200TD25A	2500	1200	2400	3.15	1.50	2.10	2.50	800	1.0	840	125	0.0169	0.05	W41
T1500TD25E	2500	1500	3000	3.05	1.97	2.65	N/A	N/A	N/A	N/A	125	0.0129	N/A	W41
T2250AD25E	2500	2250	4500	3.05	3.00	4.20	N/A	N/A	N/A	N/A	125	0.0085	N/A	W71
T2400GD25G	2500	2400	4800	3.05	2.90	4.10	2.0	1490	0.7	1570	125	0.0080	0.0139	W45
T2400GD25G	2500	2400	4800	3.05	2.90	4.10	2.0	1490	0.7	1570	125	0.0080	0.0139	W45
➤ T0140QC33G	3300	140	280	3.35	0.37	0.38	3.0	100	1.9	150	125	0.108	0.1728	W109
➤ T0285NC33E	3300	285	570	3.4	0.73	0.75	N/A	N/A	N/A	N/A	125	0.0546	N/A	W40
➤ T0425VC33G	3300	425	850	3.4	1.1	1.12	3.0	305	1.7	440	125	0.0364	0.0576	W67
➤ T0640VC33E	3300	640	1280	3.4	1.65	1.68	N/A	N/A	N/A	N/A	125	0.0243	N/A	W67
➤ T0710TC33A	3300	710	1420	3.4	1.83	1.87	3.3	455	1.5	655	125	0.0218	0.0432	W41
➤ T1000TC33E	3300	1000	2000	3.4	2.6	2.7	N/A	N/A	N/A	N/A	125	0.0156	N/A	W41
➤ T1000EC33G	3300	1000	2000	3.4	2.6	2.7	3.0	710	1.6	1025	125	0.0156	0.0247	W44
➤ T1500EC33E	3300	1500	3000	3.4	3.9	4.05	N/A	N/A	N/A	N/A	125	0.0104	N/A	W44
➤ T0115QC45G	4500	115	230	3.5	0.83	0.48	3.45	95	2.5	180	125	0.1080	0.1728	W109
T0240NB45E	4500	240	480	3.6	1.5	1.0	N/A	N/A	N/A	N/A	125	0.0546	N/A	W40
T0340VB45G	4500	340	680	3.5	2.2	1.3	3.45	220	3.2	500	125	0.0364	0.0576	W67
T0510VB45E	4500	510	1020	3.5	3.3	2.2	N/A	N/A	N/A	N/A	125	0.0243	N/A	W67
T0600TB45A	4500	600	1200	3.7	3.6	2.5	3.7	640	1.2	700	125	0.0218	0.0432	W41
T0800TB45E	4500	800	1600	3.5	5	3.5	N/A	N/A	N/A	N/A	125	0.0156	N/A	W41
T0800EB45G	4500	800	1600	3.5	5	3.5	3.5	550	1.7	1020	125	0.0156	0.0247	W44
T0900EB45A	4500	900	1800	3.6	5.4	3.8	3.9	800	1.6	1000	125	0.0146	0.0288	W44
T1200EB45E	4500	1200	2400	3.6	7	5.5	N/A	N/A	N/A	N/A	125	0.0104	N/A	W44
T1600GB45G	4500	1600	3200	3.5	12	8.7	3.45	1270	1.75	1960	125	0.0078	0.0123	W45
T1800GB45A	4500	1800	3600	3.6	11	10.5	3.9	1600	1.6	2000	125	0.0073	0.0115	W45
➤ T2000BB45G	4500	2000	4000	3.6	14	12.5	3.4	2050	1.6	2450	125	0.0064	0.0096	W110
T2400GB45E	4500	2400	4800	3.6	14	13	N/A	N/A	N/A	N/A	125	0.0052	N/A	W45
T2960BB45E	4500	3000	6000	3.6	11.5	17.5	N/A	N/A	N/A	N/A	125	0.0042	N/A	W110
T0258HF65G	6500	258	516	4.8	1.8	1.45	3.45	300	1.2	410	125	0.0328	0.0567	W95
T0385HF65E	6500	385	770	4.8	2.7	2.2	N/A	N/A	N/A	N/A	125	0.0219	N/A	W95
T0600AF65G	6500	600	1030	4.8	4.2	3.4	3.5	700	1.2	950	125	0.0141	0.0243	W98
T0900AF65E	6500	900	1800	4.8	6.3	5.1	N/A	N/A	N/A	N/A	125	0.0094	N/A	W98
T0900DF65A	6500	900	1800	4.8	6.3	5.1	3.4	1050	1.2	1450	125	0.0094	0.0155	W96
T1290BF65A	6500	1290	2580	4.8	9.0	7.3	3.6	1400	1.1	1900	125	0.0066	0.0122	W103
T1375DF65E	6500	1375	2750	4.8	9.6	7.8	N/A	N/A	N/A	N/A	125	0.0062	N/A	W96
T1890BF65E	6500	1890	3780	4.8	13.2	10.6	N/A	N/A	N/A	N/A	125	0.0045	N/A	W103