

# GTM ELECTRONICS

## TO-92 Bipolar Transistors

Part No.	NPN OR PNP	Maximum Ratings				Electrical Characteristics (TA=25°C)											Pin Style 123						
		BV <sub>CEO</sub>	BV <sub>CE0</sub> BV <sub>CEs</sub>	I <sub>C</sub>	P <sub>D</sub> T <sub>A</sub> 25°C	I <sub>CEO</sub> I <sub>CB0</sub> I <sub>CEs</sub> I <sub>CEX</sub> I <sub>CEV</sub>	MAX		h <sub>FE</sub> Typ		I <sub>C</sub>	V <sub>CE</sub>	V <sub>CE</sub> (SAT)	MAX		f <sub>T</sub> MIN Typ #		Cob MAX Typ #					
							V <sub>CB</sub> V <sub>CEV</sub>	V	MIN	MAX				mA	V				V	mA	mA	MHz	pF
G1270	PNP	-35	-30	-500	625	-100	-35	70	240	-100	-1	-0.25	-100	-10	100	8	ECB						
G2N3904	NPN	60	40	200	625	50	30	100	300	10	1	0.2	10	1	300	4	EBC						
G2N3906	PNP	-40	-40	-200	625	-50	-30	100	300	-10	-1	-0.25	-10	-1	250	4.5	EBC						
G2N4401	NPN	60	40	600	625	100	35	100	300	150	1	0.4	150	15	250	6.5	EBC						
G2N4403	PNP	-40	-40	-600	625	-100	-35	100	300	-150	-2	-0.4	-150	-15	200	8.5	EBC						
G2N5401	PNP	-160	-150	-600	625	-50	-120	80	400	-10	-5	-0.2	-10	-1	100	6	EBC						
G2N5551	NPN	180	160	600	625	50	120	80	400	10	5	0.15	10	1	100	6	EBC						
G2SD655	NPN	30	15	700	500	1000	20	250	1200	150	1	0.5	500	50	#250	-	ECB						
G6718	NPN	100	100	1000	850	100	80	50	300	250	1	0.35	350	35	50	20	ECB						
G8050S	NPN	25	20	700	625	1000	20	100	400	150	1	0.5	500	50	150	#10	ECB						
G8050	NPN	40	25	1500	1000	100	35	120	500	100	1	0.5	800	80	100	#9	ECB						
G8051S	NPN	25	20	700	625	1000	20	100	400	150	1	0.5	500	50	150	#10	EBC						
G8051	NPN	40	25	1500	1000	100	35	120	500	100	1	0.5	800	80	100	#9	EBC						
G8550S	PNP	-25	-20	-700	625	-1000	-20	100	500	-150	-1	-0.5	-500	-50	150	10	ECB						
G8550	PNP	-40	-25	-1500	1000	-100	-35	120	500	-100	-1	-0.5	-800	-80	100	#9	ECB						
G8551S	PNP	-25	-20	-700	625	-1000	-20	100	500	-150	-1	-0.5	-500	-50	150	#10	EBC						
G8551	PNP	-40	-25	-1500	1000	-100	-35	120	500	-100	-1	-0.5	-800	-80	100	#9	EBC						
G9012	PNP	-40	-20	-500	625	-100	-25	112	300	-50	-1	-0.6	-500	-50	100	8	EBC						
G9013	NPN	40	20	500	625	100	25	112	300	50	1	0.6	500	50	100	8	EBC						
G9014	NPN	50	45	100	625	50	50	100	1000	1	5	0.3	100	5	150	3.5	EBC						
G9015	PNP	-50	-45	-100	625	-50	-50	100	600	-1	-5	-0.7	-100	-5	100	7	EBC						
G9018	NPN	30	15	50	625	50	12	39	198	1	5	0.5	10	1	700	1.7	EBC						
GBC327	PNP	-50	-45	-800	625	-100	-30	100	630	-100	-1	-0.7	-500	-50	#260	#11	CBE						
GBC328	PNP	-30	-25	-800	625	-100	-20	100	630	-100	-1	-0.7	-500	-50	#260	#11	CBE						
GBC337	NPN	50	45	800	625	100	30	100	630	100	1	0.7	500	50	#210	#15	CBE						
GBC338	NPN	30	25	800	625	100	20	100	630	100	1	0.7	500	50	#210	#15	CBE						
GBC546	NPN	80	65	100	625	15	70	110	800	2	5	0.6	100	5	#300	4.5	CBE						
GBC547	NPN	50	45	100	625	15	50	110	800	2	5	0.6	100	5	#300	4.5	CBE						
GBC548	NPN	30	30	100	625	15	35	110	800	2	5	0.6	100	5	#300	4.5	CBE						
GBC556	PNP	-80	-65	-100	625	-100	-40	120	800	-2	-5	-0.65	-100	-5	#280	6	CBE						
GBC557	PNP	-50	-45	-100	625	-100	-20	120	800	-2	-5	-0.65	-100	-5	#320	6	CBE						
GBC558	PNP	-30	-30	-100	625	-100	-20	120	800	-2	-5	-0.65	-100	-5	#360	6	CBE						
GMPSA13	NPN	30	30	500	625	100	30	10K	-	100	5	1.5	100	0.1	125	6	EBC						
GMPSA14	NPN	30	30	500	625	100	30	20K	-	100	5	1.5	100	0.1	125	6	EBC						
GMPSA27	NPN	60	60	500	625	100	50	10K	-	100	5	1.5	100	0.1	-	-	EBC						
GMPSA42	NPN	300	300	500	625	100	260	40	-	10	10	0.35	20	2	50	3	EBC						
GMPSA44	NPN	500	400	300	625	100	400	50	300	10	10	0.35	20	2	-	#4	EBC						
GMPSA92	PNP	-300	-300	-500	625	-250	-200	40	-	-10	-10	-0.5	-20	-2	50	6	EBC						
GMPSA94	PNP	-400	-400	-300	625	-100	-400	50	300	-10	-10	-0.35	-1	-0.1	-	-	EBC						
GPN2222A	NPN	75	40	600	625	10	60	100	300	150	10	0.3	150	15	300	8	EBC						
GPN2907A	PNP	-60	-60	-600	625	-10	-50	100	300	-150	-10	-0.4	-150	-15	200	8	EBC						
GSA1015	PNP	-50	-50	-150	400	-100	-50	70	700	-2	-6	-0.3	-100	-10	80	7	ECB						
GSA1625	PNP	-400	-400	-500	750	-10000	-400	40	200	-50	-5	-0.5	-100	-10	#40	20	ECB						
GSA684	PNP	-60	-50	-1000	1000	-100	-20	85	340	-500	-10	-0.4	-500	-50	#200	20	ECB						
GSB649A	PNP	-180	-160	-1500	1000	-10000	-160	60	200	-150	-5	-1	-600	-50	#140	#27	ECB						
GSB772S	PNP	-40	-30	-3000	750	-1000	-30	100	500	-1000	-2	-0.5	####	-200	#80	#55	ECB						
GSC1384	NPN	60	50	1000	1000	100	20	85	340	500	10	0.4	500	50	#200	20	ECB						
GSC1473A	NPN	300	300	70	750	1000	120	30	220	5	10	1.2	50	5	#80	10	ECB						
GSC1815	NPN	60	50	150	400	100	60	70	700	2	6	0.25	100	10	80	3	ECB						
GSC4672	NPN	60	50	2000	750	100	60	120	400	500	2	0.35	1000	10	#210	#25	ECB						

GSC945	NPN	60	50	150	250	100	40	90	600	1	6	0.3	100	10	100	3	ECB
GSD1616A	NPN	120	60	1000	750	100	60	135	600	100	2	0.3	1000	50	100	19	ECB
GSD1857	NPN	120	120	2000	1000	1000	100	82	390	100	5	0.4	1000	100	#80	#20	ECB
GSD669A	NPN	180	160	1500	1000	10000	160	60	200	150	5	1	600	50	#140	#14	ECB
GSD882S	NPN	40	30	3000	750	1000	30	100	500	1000	2	0.5	2000	200	#90	#45	ECB
GSD965	NPN	40	20	5000	750	100	60	230	800	500	2	1	3000	100	#150	50	ECB
GSD965A	NPN	40	30	5000	750	100	60	230	800	500	2	1	3000	100	#150	50	ECB
GSD965AA	NPN	60	30	5000	750	100	60	230	800	500	2	0.5	1000	100	#150	50	ECB

量產	未量產	有樣品	工程實驗未產出
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