

3918590 GENERAL SEMICONDUCTOR

95D 02094 D

T-33-11

T-33-13

Ic = 10 AMPS

DEVICE TYPE	PACKAGE	V <sub>CEO</sub> VOLTS	V <sub>CE0</sub> / V <sub>CEV</sub> VOLTS	V <sub>ISO</sub> VOLTS	P <sub>0</sub> @ 100°C WATTS	h <sub>FE</sub> @ Min.	I <sub>C</sub> Max. AMPS	V <sub>CE</sub> VOLTS	V <sub>CE(SAT)</sub> VOLTS	I <sub>C</sub> AMPS	I <sub>S</sub> AMPS	f <sub>T</sub> MHz	I <sub>CEO</sub> / I <sub>CEV</sub> μAMP	V <sub>CE</sub> VOLTS	DATA SHEET PG. NO.
2N2811	TO-61	60	80	8.0	40.0	20 - 60	5.0	5.0	0.5	5.0	0.5	15	0.1	60	
2N2812	TO-61	60	80	8.0	40.0	40 - 120	5.0	5.0	0.5	5.0	0.5	15	0.1	60	
2N2813	TO-61	80	120	8.0	40.0	20 - 60	5.0	5.0	0.5	5.0	0.5	15	0.1	60	
2N2814	TO-61	80	120	8.0	40.0	40 - 120	5.0	5.0	0.5	5.0	0.5	15	0.1	60	
2N4070	TO-3	100	120	8.0	65.0	40 - 120	5.0	5.0	1.5	10.0	1.0	20	0.1	60	4-24
2N4071	TO-3	150	200	8.0	65.0	40 - 120	5.0	5.0	1.5	10.0	1.0	20	0.1	100	4-25
2N4301	TO-61	80	100	8.0	50.0	30 - 120	5.0	4.0	0.4	5.0	0.5	40	10.0	90	
2N5218	TO-61	200	220	8.0	50.0	15 - 120	5.0	5.0	0.6	5.0	0.5	40	0.5	100	4-33
2N5313	TO-61	80	80	6.0	50.0	30 - 90	10.0	5.0	1.5	10.0	1.0	30	10	80	
2N5315	TO-61	100	100	6.0	50.0	30 - 90	10.0	5.0	1.5	10.0	1.0	30	10	80	
2N5317	TO-61/Iso	80	80	6.0	50.0	30 - 90	10.0	5.0	1.5	10.0	1.0	30	10	80	
2N5319	TO-61/Iso	100	100	6.0	50.0	30 - 90	10.0	5.0	1.5	10.0	1.0	30	10	80	
2N5412	TO-61	60	80	7.0	50.0	10 - 160	2.0	1.5	1.5	15.0	3.0	60			
2N5540	TO-61	300	325	8.0	50.0	20 - 60	5.0	5.0	1.0	8.0	0.8	20.0	0.5	250	
2N5542	TO-61	130	175	8.0	50.0	20 - 60	5.0	5.0	1.0	5.0	0.5	20	0.5	175	4-37
2N5552	TO-5/S	80	120	7.0	15.0	50 - 150	5.0	2.0	0.5	5.0	0.5	30			
2N5552-1	TO-5	80	120	7.0	15.0	50 - 150	5.0	2.0	0.5	5.0	0.5	30			
2N5858	TO-59	80	120	7.0	30.0	50 - 150	5.0	5.0	1.0	10.0	1.0	30	0.2	120	
2N5859	TO-111/Iso	80	120	7.0	30.0	50 - 150	5.0	5.0	1.0	10.0	1.0	30	0.2	120	
2N5730	TO-59/Iso	80	100	5.0	30.0	30 - 300	2.0	2.0	1.2	5.0	0.5	30	1.0mA	100	
2N5854	TO-61/Iso	80	100	6.0	66.0	30 - 90	5.0	5.0	1.5	10.0	1.0	20	500	100	
2N6232	TO-5	100	140	7.0	15.0	25 - 100	5.0	2.0	1.4	10.0	1.0	30	0.2	140	4-45
2N6560	TO-3	450	450	5.0	125.0	10 - 40	5.0	2.0	0.75	5.0	1.0	10	1000	450	
2N6561	TO-3	300	300	5.0	125.0	10 - 50	10.0	2.0	0.75	10.0	2.0	15	1000	360	
2N6562	TO-61/Iso	450	450	5.0	100.0	10 - 40	5.0	2.0	0.75	5.0	1.0	10	1000	450	
2N6563	TO-61/Iso	300	450	5.0	100.0	10 - 50	10.0	2.0	0.75	10.0	2.0	15	1000	300	
2N6674	TO-3	300	450	7.0	100.0	8 - 20	10.0	2.0	1.0	10.0	2.0	15	100	450	
2N6675	TO-3	400	450	7.0	100.0	8 - 20	10.0	2.0	1.0	10.0	2.0	15	100	650	
2N6689	TO-61/Iso	300	450	7.0	100.0	8 - 20	10.0	2.0	1.0	10.0	2.0	15	100	450	
2N6690	TO-61/Iso	400	650	7.0	100.0	8 - 20	10.0	2.0	1.0	10.0	2.0	15	100	650	
GSDB10008	TO-5	80	100	7.0	1.5	20	10.0	5.0	1.0	10.0	1.0	50	1.0	80	4-70
GSDU7530	TO-3	300	350	7.0	71.4	10	7.5	5.0	0.6	7.5	1.5	30	500	280	4-92
GSDU7535	TO-3	350	400	7.0	71.4	10	7.5	5.0	0.6	7.5	1.5	30	500	360	4-92
GSDU7540	TO-3	400	450	7.0	71.4	10	7.5	5.0	0.6	7.5	1.5	30	500	360	4-92
GSTU8035	TO-3	350	400	7.0	94.0	10	8.0	5.0	0.8	8.0	1.6	25	320	500	4-106
GSTU8040	TO-3	400	450	7.0	94.0	10	8.0	5.0	0.8	8.0	1.6	25	360	500	4-106
GSTU8045	TO-3	450	500	7.0	94.0	10	8.0	5.0	0.8	8.0	1.6	25	400	500	4-106
SDT12301	TO-3	200	200	5.0	125.0	10 - 50	10.0	5.0	1.0	10.0	1.0	20	1000	200	
SDT12302	TO-3	250	250	5.0	125.0	10 - 50	10.0	5.0	1.0	10.0	1.0	20	1000	250	
SDT12303	TO-3	300	300	5.0	125.0	10 - 50	10.0	5.0	1.0	10.0	1.0	20	1000	300	
SDT13301	TO-3	300	300	5.0	125.0	10 - 50	5.0	5.0	1.0	5.0	0.5	12	1000	300	
SDT13302	TO-3	350	350	5.0	125.0	10 - 50	5.0	5.0	1.0	5.0	0.5	12	1000	350	
SDT13303	TO-3	400	400	5.0	125.0	10 - 50	5.0	5.0	1.0	5.0	0.5	12	1000	400	
SDT14304	TO-3	300	300	8.0	125.0	10 -	10.0	5.0	0.7	10.0	1.5	7	1000	300	
SDT14305	TO-3	400	400	5.0	125.0	10 -	10.0	5.0	0.7	10.0	1.5	7	1000	400	
XGSQ7530	TO-66	300	350	7.0	25.0	10	7.5	5.0	0.7	7.5	1.5	30	200	280	4-125
XGSQ7535	TO-66	350	400	7.0	25.0	10	7.5	5.0	0.7	7.5	1.5	30	200	320	4-125
XGSQ7540	TO-66	400	450	7.0	25.0	10	7.5	5.0	0.7	7.5	1.5	30	200	360	4-125
XGSR7530	TO-3	300	350	7.0	50.0	10	7.5	5.0	0.6	7.5	1.5	30	200	280	4-129
XGSR7535	TO-3	350	400	7.0	50.0	10	7.5	5.0	0.6	7.5	1.5	30	200	320	4-129
XGSR7540	TO-3	400	450	7.0	50.0	10	7.5	5.0	0.6	7.5	1.5	30	200	360	4-129

3918590 GENERAL SEMICONDUCTOR

95D 02095

D

Ic = 15 AMPS

T-33-11

T-33-13

DEVICE TYPE	PACKAGE	BV <sub>CEO</sub> VOLTS	BV <sub>CE0</sub> /BV <sub>CEV</sub> VOLTS	BV <sub>EB0</sub> VOLTS	P <sub>D</sub> @100°C WATTS	h <sub>FE</sub> @ Min.	I <sub>C</sub> Max. AMPS	V <sub>CE</sub> VOLTS	V <sub>CE(sat)</sub> VOLTS	V <sub>CE(sat)</sub> @ I <sub>C</sub> AMPS	I <sub>B</sub> AMPS	f <sub>T</sub> MHz	I <sub>CEO</sub> /I <sub>CEV</sub> μAMP	@ V <sub>CE</sub> VOLTS	DATA SHEET PG. NO.
2N6546	TO-3	300	650	9.0	100	6 - 30	10	2.0	1.5	10	2.0	6	1000	650	
2N6547	TO-3	300	850	9.0	100	6 - 30	10	2.0	1.5	10	2.0	6	1000	850	
2N6676	TO-204	300	450	8.0	175	8	15	3.0	1.0	15	3.0	15	400	450	4-68
2N6677	TO-204	350	550	8.0	175	8	15	3.0	1.0	15	3.0	15	400	550	4-68
2N6678	TO-204	400	650	8.0	175	8	15	3.0	1.0	15	3.0	15	400	650	4-68
2N6691	TO-61/iso	300	450	8.0	100	8	15	3.0	1.5	15	3.0	15		450	4-68
2N6692	TO-61/iso	350	550	8.0	100	8	15	3.0	1.5	15	3.0	15		550	4-68
2N6693	TO-61/iso	400	650	8.0	100	8	15	3.0	1.5	15	3.0	15		650	4-70
2N6920	TO-3	400	550	8.0	100	8	10	2.0	1.0	10	2.0	20		550	4-70
2N6920A	TO-3	450	850	8.0	100	8	10	2.0	1.0	10	2.0	20		850	4-70
2N6921	TO-3	400	550	8.0	100	8	10	2.0	1.0	10	2.0	20		550	4-70
2N6921A	TO-3	450	850	8.0	100	8	10	2.0	1.0	10	2.0	20		850	4-70
2N6980	TO-247	400	550	8.0	54	8	10	2.0	1.0	10	2.0	20		550	4-70
2N6980A	TO-247	450	850	8.0	54	8	10	2.0	1.0	10	2.0	20		850	4-70
2N6981	TO-247	400	550	8.0	54	8	10	2.0	1.0	10	2.0	20		550	4-70
2N6981A	TO-247	450	850	8.0	54	8	10	2.0	1.0	10	2.0	20		850	4-70
GSRU10030	TO-204	300	400	8.0	100	10	10	5.0	1.0	10	2.0	20	500	320	4-94
GSRU10035	TO-204	350	450	8.0	100	10	10	5.0	1.0	10	2.0	20	500	360	4-94
GSRU10040	TO-204	400	500	8.0	100	10	10	5.0	1.0	10	2.0	20	500	400	4-94
GSTU10030	TO-204	300	400	8.0	100	8	10	5.0	1.0	10	2.0	25	100	320	4-108
GSTU10035	TO-204	350	450	8.0	100	8	10	5.0	1.0	10	2.0	25	100	360	4-108
GSTU10040	TO-204	400	500	8.0	100	8	10	5.0	1.0	10	2.0	25	100	400	4-108
MJ18010	TO-3	450	850	6.0	100	5	15	5.0	3.0	10	1.3	15	250	850	4-114
MJ16012	TO-3	450	850	6.0	100	7	15	5.0	3.0	10	1.3	15	250	850	4-114
MJH18010	TO-247	450	850	6.0	54	5	15	5.0	3.0	10	1.3	15	250	850	4-114
MJH16012	TO-247	450	850	6.0	54	7	15	5.0	3.0	10	1.3	15	250	850	4-114
SDT14411	TO-63	200	300	8.0	125	15 - 60	10	5.0	0.5	10	0.1	10	100	200	
SDT14412	TO-63	225	325	8.0	125	15 - 60	10	5.0	0.5	10	0.1	10	100	225	
SDT14413	TO-63	250	350	8.0	125	15 - 60	10	5.0	0.5	10	0.1	10	100	250	
SDT14414	TO-63	275	375	8.0	125	15 - 60	10	5.0	0.5	10	0.1	10	100	275	
SDT14415	TO-63	300	400	8.0	125	15 - 60	10	5.0	0.5	10	0.1	10	100	300	

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NPN SWITCHING TRANSISTORS

Ic = 20 AMPS

DEVICE TYPE	PACKAGE	BV <sub>CEO</sub> VOLTS	BV <sub>CE0</sub> /BV <sub>CEV</sub> VOLTS	BV <sub>EB0</sub> VOLTS	P <sub>D</sub> @100°C WATTS	h <sub>FE</sub> @ Min.	I <sub>C</sub> Max. AMPS	V <sub>CE</sub> VOLTS	V <sub>CE(sat)</sub> VOLTS	V <sub>CE(sat)</sub> @ I <sub>C</sub> AMPS	I <sub>B</sub> AMPS	f <sub>T</sub> MHz	I <sub>CEO</sub> /I <sub>CEV</sub> μAMP	@ V <sub>CE</sub> VOLTS	DATA SHEET PG. NO.
2N2815	TO-63	80	80	6.0	118.0	10 - 50	10.0	3.0	1.5	10	1.0	20	2.0mA	80	
2N2816	TO-63	100	100	6.0	118.0	10 - 50	10.0	3.0	1.5	10	1.0	20	2.0mA	100	
2N2817	TO-63	150	150	6.0	118.0	10 - 50	10.0	3.0	1.5	10	1.0	20	2.0mA	150	4-11
2N2818	TO-63	200	200	6.0	118.0	10 - 50	10.0	3.0	1.5	10	1.0	20	2.0mA	200	4-11
2N3265	TO-63	90	150	7.0	100.0	20 - 55	15.0	2.0	1.0	15	1.5	20	20.0mA	150	
2N3266	TO-63	60	120	7.0	100.0	20 - 80	15.0	3.0	1.0	15	1.5	20	20.0mA	120	
2N3597	TO-63	40	40	8.0	100.0	40 - 120	10.0	2.0	0.5	10	1.0	30	0.1	60	
2N3598	TO-63	60	60	8.0	100.0	40 - 120	10.0	2.0	0.5	10	1.0	30	0.1	60	
2N3599	TO-63	80	80	8.0	100.0	40 - 120	10.0	2.0	0.5	10	1.0	30	0.1	60	
2N4210	TO-63	60	60	10.0	100.0	20 - 100	10.0	6.0	3.0	20	2.0	10	500	80	
2N4211	TO-63	80	80	10.0	100.0	20 - 100	10.0	6.0	3.0	20	2.0	10	500	100	
2N5731	TO-61/iso	80	100	5.0	37.5	30 - 300	5.0	2.0	1.2	10	1.0	30	1.0mA	100	4-42
2N5732	TO-3	80	80	5.0	50.0	30 - 300	5.0	2.0	1.2	10	1.0	30	100	280	4-58
2N6653	TO-3	300	350	7.0	75.0	10	15.0	2.0	0.6	15	3.0	25	100	320	4-58
2N6654	TO-3	350	400	7.0	75.0	10	15.0	2.0	0.6	15	3.0	25	100	360	4-58
2N6655	TO-3	400	450	7.0	75.0	10	15.0	2.0	0.8	15	3.0	25	100	550	4-74
2N6922	TO-3	400	550	8.0	125.0	8	15.0	2.0	1.0	15	3.0	15	1000	850	4-74
2N6922A	TO-3	400	850	8.0	125.0	8	15.0	2.0	1.0	15	3.0	15	1000	550	4-74
2N6923	TO-3	450	550	8.0	125.0	8	15.0	2.0	1.0	15	3.0	15	1000	850	4-74
2N6923A	TO-3	450	850	8.0	125.0	8	15.0	2.0	1.0	15	3.0	15	1000	550	4-74
2N6926	TO-247	400	550	8.0	50.0	8	15.0	2.0	1.0	15	3.0	15	1000	850	4-74
2N6926A	TO-247	400	850	8.0	50.0	8	15.0	2.0	1.0	15	3.0	15	1000	550	4-74
2N6927	TO-247	450	550	8.0	50.0	8	15.0	2.0	1.0	15	3.0	15	1000	850	4-74
2N6927A	TO-247	450	850	8.0	50.0	8	15.0	2.0	1.0	15	3.0	15	1000	550	4-74
GSRU15030	TO-3	300	400	8.0	100.0	10	15.0	5.0	1.0	15	3.0	25	100	320	4-96
GSRU15035	TO-3	350	450	8.0	100.0	10	15.0	5.0	1.0	15	3.0	25	100	360	4-96
GSRU15040	TO-3	400	500	8.0	100.0	10	15.0	5.0	1.0	15	3.0	25	100	400	4-96
GSTU15018	TO-3	180	250	7.0	80.0	10	15.0	5.0	0.8	15	3.0	25	500	200	4-110
GSTU15020	TO-3	200	300	7.0	80.0	10	15.0	5.0	0.8	15	3.0	25	500	180	4-110
GSTU15030	TO-3	300	400	8.0	100.0	10	15.0	5.0	1.0	15	3.0	25	100		
GSTU15035	TO-3	350	450	8.0	100.0	10	15.0	5.0	1.0	15	3.0	25	100		
GSTU15040	TO-3	400	500	8.0	100.0	10	15.0	5.0	1.0	15	3.0	25	100		
XGSR15030	TO-3	300	350	7.0	75.0	10	15.0	5.0	0.6	15	3.0	25	500	280	4-58
XGSR15035	TO-3	350	400	7.0	75.0	10	15.0	5.0	0.6	15	3.0	25	500	320	4-58
XGSR15040	TO-3	400	450	7.0	75.0	10	15.0	5.0	0.8	15	3.0	25	500	360	4-58