

GERMANIUM POWER TRANSISTORS

Type Number	Case Type	$V_{CE(sat)}$ V	V_{EBO} V	h_{FE} @ I_C/V_{CE} (Min-Max @ A/V)	$V_{CE(sat)}$ @ I_C/I_B (V @ A/A)	V_{BE} @ I_C/V_{CE} (V @ A/V)	I_{CEV} @ V_{CE} (mA @ V)	P_D @ $T_C = 25^\circ\text{C}$ (watts)	θ_{JC} ($^\circ\text{C/W}$)	$T_{J(max)}$ ($^\circ\text{C}$)	f_T (KHz)
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3 AMP GERMANIUM PNP (Cont.)

2N2668	MT-27	30	20	50-150 @ .5/.5	.25 @ .5/.025	.6 @ .5/.5	.6 @ 50	15	5.0	100	300
2N2669	MT-27	40	20	50-150 @ .5/.5	.25 @ .5/.025	.6 @ .5/.5	.6 @ 70	15	5.0	100	300
2N2670	MT-27	50	20	50-150 @ .5/.5	.25 @ .5/.025	.6 @ .5/.5	.6 @ 90	15	5.0	100	300
2N1042	MT-28	30	20	20-60 @ 3/1	.75 @ 3/3	1.5 @ 3/1	.65 @ 40	20	3.75	100	250
2N1043	MT-28	40	20	20-60 @ 3/1	.75 @ 3/3	1.5 @ 3/1	.65 @ 60	20	3.75	100	250
2N1044	MT-28	50	20	20-60 @ 3/1	.75 @ 3/3	1.5 @ 3/1	.65 @ 80	20	3.75	100	250
2N1045	MT-28	60	20	20-60 @ 3/1	.75 @ 3/3	1.5 @ 3/1	.65 @ 100	20	3.75	100	250
2N2556	MT-28	30	20	20-60 @ 1/.5	.25 @ 1/1	1 @ 1/.5	.65 @ 40	20	3.75	100	225
2N2557	MT-28	40	20	20-60 @ 1/.5	.25 @ 1/1	1 @ 1/.5	.65 @ 60	20	3.75	100	225
2N2558	MT-28	50	20	20-60 @ 1/.5	.25 @ 1/1	1 @ 1/.5	.65 @ 80	20	3.75	100	225
2N2559	MT-28	60	20	20-60 @ 1/.5	.25 @ 1/1	1 @ 1/.5	.65 @ 100	20	3.75	100	225
2N2282	TO-37	30	1.5	30-75 @ .5/1	.4 @ 1/.05	.7 @ 1/.05	.1 @ 20	5.0	15	110	2500
2N2283	TO-37	60	1.5	30-75 @ .5/1	.4 @ 1/.05	.7 @ 1/.05	.1 @ 40	5.0	15	110	2500
2N2284	TO-37	100	1.5	30-75 @ .5/1	.4 @ 1/.05	.7 @ 1/.05	.1 @ 60	5.0	15	110	2500
2N3212	TO-37	80	2.0	30-90 @ 3/2	.5 @ 5/5	1.4 @ 5/5	1 @ 100	12.1	7.0	110	300
2N3213	TO-37	60	2.0	30-90 @ 3/2	.5 @ 5/5	1.4 @ 5/5	1 @ 80	12.1	7.0	110	300
2N3214	TO-37	40	2.0	30-90 @ 3/2	.5 @ 5/5	1.4 @ 5/5	1 @ 60	12.1	7.0	110	300
2N3215	TO-37	30	2.0	25-100 @ 3/2	.5 @ 5/5	1.4 @ 5/5	1 @ 40	12.1	7.0	110	300
2N1183	TO-8	20	20	20-60 @ .4/2	.3 @ .4/.04	1.5 @ .4/2	.25 @ 45	7.5	10	100	350
2N1183A	TO-8	30	20	20-60 @ .4/2	.5 @ .4/.04	1.5 @ .4/2	.25 @ 60	7.5	10	100	300
2N1183B	TO-8	40	20	20-60 @ .4/2	.5 @ .4/.04	1.5 @ .4/2	.25 @ 80	7.5	10	100	500
2N1184	TO-8	20	20	40-120 @ .4/2	.3 @ .4/.04	1.5 @ .4/2	.25 @ 45	7.5	10	100	350
2N1184A	TO-8	30	20	40-120 @ .4/2	.5 @ .4/.04	1.5 @ .4/2	.25 @ 60	7.5	10	100	500
2N1184B	TO-8	40	20	40-120 @ .4/2	.5 @ .4/.04	1.5 @ .4/2	.25 @ 80	7.5	10	100	500
2N1755	MS7	25	30	30-75 @ .5/2	.7 @ 3/3	1 @ 3/3	3 @ 40	28	2.5	95	
2N1756	MS7	40	30	30-75 @ .5/2	.7 @ 3/3	1 @ 3/3	3 @ 60	28	2.5	95	
2N1757	MS7	55	30	30-75 @ .5/2	.7 @ 3/3	1 @ 3/3	3 @ 80	28	2.5	95	
2N1758	MS7	65	30	30-75 @ .5/2	.7 @ 3/3	1 @ 3/3	3 @ 100	28	2.5	95	
2N1759	MS7	25	30	60-150 @ .5/2	.5 @ 3/3	.8 @ 3/3	3 @ 40	28	2.5	95	
2N1760	MS7	40	30	60-150 @ .5/2	.5 @ 3/3	.8 @ 3/3	3 @ 60	28	2.5	95	
2N1761	MS7	55	30	60-150 @ .5/2	.5 @ 3/3	.8 @ 3/3	3 @ 80	28	2.5	95	
2N1762	MS7	25	30	60-150 @ .5/2	.5 @ 3/3	.8 @ 3/3	3 @ 40	28	2.5	95	
2N2067	MS7	25	20	20-100 @ .5/14	.7 @ 1/1	.7 @ .5/14	3 @ 40	28	2.5	95	
2N2068	MS7	55	20	20-100 @ .5/14	.7 @ 1/1	.7 @ .5/14	3 @ 80	28	2.5	95	

Type Number	Case Type	NPN Complement	$V_{CE(sat)}$ V	V_{EBO} V	h_{FE} @ I_C/V_{CE} (Min-Max @ A/V)	$V_{CE(sat)}$ @ I_C/I_B (V @ A/A)	V_{BE} @ I_C/V_{CE} (V @ A/V)	I_{CEV} @ V_{CE} (mA @ V)	P_D @ $T_C = 25^\circ\text{C}$ (watts)	θ_{JC} ($^\circ\text{C/W}$)	$T_{J(max)}$ ($^\circ\text{C}$)
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3 AMP GERMANIUM PNP

2N156	TO-13		30 (V_{CES})	15	>25 @ .5/2	.75 @ 1/.15	.7 @ .5/2	1 @ 30	25	3.0	100
2N158	TO-13		60 (V_{CES})	30	>21 @ .5/2	.75 @ 1/1	.85 @ .5/2	1 @ 60	25	3.0	100
2N158A	TO-13		60	30	>21 @ .5/2	.75 @ 1/1.15	.85 @ .5/2	1 @ 80	25	3.0	100
2N1078	TO-13	2N1332	60 (V_{CES})	15	>40 @ .5/2	1 @ 1/1	1.1 @ .5/2	1.5 @ 60	20	3.0	85
2N1328	TO-13	2N1329	30 (V_{CES})	15	>40 @ .5/2	1 @ 1/1	.9 @ .5/2	1.5 @ 35	20	3.0	85
2N1331	TO-13	2N1334	80 (V_{CES})	15	>40 @ .5/2	1 @ 1/1	1.2 @ .5/2	1.5 @ 80	20	3.0	85
2N1333	TO-13		100 (V_{CES})	15	>40 @ .5/2	1 @ 1/1	1.2 @ .5/2	1.5 @ 100	20	3.0	85

Type Number	Case Type	PNP Complement	$V_{CE(sat)}$ V	V_{EBO} V	h_{FE} @ I_C/V_{CE} (Min-Max @ A/V)	$V_{CE(sat)}$ @ I_C/I_B (V @ A/A)	V_{BE} @ I_C/V_{CE} (V @ A/V)	I_{CEV} @ V_{CE} (mA @ V)	P_D @ $T_C = 25^\circ\text{C}$ (watts)	θ_{JC} ($^\circ\text{C/W}$)	$T_{J(max)}$ ($^\circ\text{C}$)
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3 AMP GERMANIUM NPN

2N1329	TO-13	2N1328	30 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	1 @ 35	25	3.0	100
2N1330	TO-13		45 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	2 @ 60	25	3.0	100
2N1332	TO-13	2N1078	60 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	3 @ 80	25	3.0	100
2N1334	TO-13	2N1331	80 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	4 @ 100	25	3.0	100
2N1321	TO-10	2N1320	30 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	1 @ 35	25	3.0	100
2N1323	TO-10		45 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	1 @ 60	25	3.0	100
2N1325	TO-10	2N1322	60 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	1 @ 80	25	3.0	100
2N1327	TO-10	2N1324	80 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	1 @ 100	25	3.0	100
2N1218	TO-3		20	15	30-120 @ 1/1.5	1 @ 1/.05	.5-1.5 @ 1/1.5	1 @ 30	20	2.75	100
2N1292	TO-3	2N1291	30 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	1 @ 35	25	3.0	100
2N1294	TO-3		45 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	2 @ 60	25	3.0	100
2N1296	TO-3	2N1293	60 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	3 @ 80	25	3.0	100
2N1298	TO-3	2N1295	80 (V_{CES})	15	>30 @ .5/2	1 @ 1/.135	1 @ .5/2	4 @ 100	25	3.0	100