

GERMANIUM POWER TRANSISTORS

TYPE NUMBER	CASE TYPE	V_{CBO} V	V_{CEO} V	V_{EBO} V	V_{CER} V	V_{CES} V	CURRENT GAIN			SATURATION VOLTAGES				
							MIN.	MAX.	V_{CE}° V	I_C A	$V_{CE(s)}$ V	$V_{BE(s)}$ V	I_C A	I_B A
15 AMP GERMANIUM PNP Observe (–) Negative Polarity														
2N278	TO-36	50	45	30.0		45	35	70	2.0	5.0	.30		12.0	2.000
2N677	TO-3	50	20	25.0		30	20	60	2.0	10.0	1.00		10.0	1.000
2N677A	TO-3	60	30	25.0		40	20	60	2.0	10.0	1.00		10.0	1.000
2N677B	TO-3	90	60	25.0		70	20	60	2.0	10.0	1.00		10.0	1.000
2N677C	TO-3	100	70	25.0		80	20	60	2.0	10.0	1.00		10.0	1.000
2N678	TO-3	50	20	25.0		30	50	100	2.0	10.0	1.00		10.0	1.000
2N678A	TO-3	60	30	25.0		40	50	100	2.0	10.0	1.00		10.0	1.000
2N678B	TO-3	90	60	25.0		70	50	100	2.0	10.0	1.00		10.0	1.000
2N678C	TO-3	100	70	25.0		80	50	100	2.0	10.0	1.00		10.0	1.000
2N1031	TO-3	50		10.0		30	20	60	2.0	10.0	1.00		10.0	1.000
2N1031A	TO-3	60		15.0		40	20	60	2.0	10.0	1.00		10.0	1.000
2N1031B	TO-3	90		15.0		70	20	60	2.0	10.0	1.00		10.0	1.000
2N1031C	TO-3	100		15.0		80	20	60	2.0	10.0	1.00		10.0	1.000
2N1032	TO-3	50		10.0		30	50	100	2.0	10.0	1.00		10.0	1.000
2N1032A	TO-3	60		15.0		40	50	100	2.0	10.0	1.00		10.0	1.000
2N1032B	TO-3	90		15.0		70	50	100	2.0	10.0	1.00		10.0	1.000
2N1032C	TO-3	100		15.0		80	50	100	2.0	10.0	1.00		10.0	1.000
2N1099	TO-36	80	55	40.0		70	35	70	2.0	5.0	.30		12.0	2.000
2N1100	TO-36	100	65	80.0		80	25	50	2.0	5.0	.30		12.0	2.000
2N1120	TO-3	80		40.0		70	20	50	2.0	10.0	1.00		10.0	1.000
2N1146	TO-3	40		30.0		30	60	150	2.0	5.0	1.00		15.0	1.000
2N1146A	TO-3	60		30.0		40	60	150	2.0	5.0	1.00		4.0	.200
2N1146B	TO-3	80		30.0		60	60	150	2.0	5.0	1.00		10.0	1.000
2N1146C	TO-3	100		30.0		75	60	150	2.0	5.0	1.00		15.0	1.000
2N1147	TO-3	40		30.0		30	60	150	2.0	5.0	1.00		15.0	1.000
2N1147A	TO-3	60		30.0		40	60	150	2.0	5.0	1.00		15.0	1.000
2N1147B	TO-3	80		30.0		60	60	150	2.0	5.0	1.00		15.0	1.000
2N1147C	TO-3	100		30.0		75	60	150	2.0	5.0	1.00		15.0	1.000
2N1358	TO-36	80	40	60.0		70	25	50	2.0	5.0	.30		12.0	2.000
2N1412	TO-36	100	65	60.0		80	25	50	2.0	5.0	.70		12.0	2.000
2N1549	TO-3	40		20.0		30	10	30	2.0	10.0	1.00		10.0	1.000
2N1549A	TO-3	40		20.0		30	10	30	2.0	10.0	1.00		10.0	1.000
2N1550	TO-3	60		30.0		45	10	30	2.0	10.0	1.00		10.0	1.000
2N1550A	TO-3	60		30.0		45	10	30	2.0	10.0	1.00		10.0	1.000
2N1551	TO-3	80		40.0		60	10	30	2.0	10.0	1.00		10.0	1.000
2N1551A	TO-3	80		40.0		60	10	30	2.0	10.0	1.00		10.0	1.000
2N1552	TO-3	100		50.0		75	10	30	2.0	10.0	1.00		10.0	1.000
2N1552A	TO-3	100		50.0		75	10	30	2.0	10.0	1.00		10.0	1.000
2N1553	TO-3	40	20	20.0		30	30	60	2.0	10.0	.50		10.0	1.000
2N1553A	TO-3	40		20.0		30	30	60	2.0	10.0	.70		10.0	1.000
2N1554	TO-3	60	30	30.0		45	30	60	2.0	10.0	.50		10.0	1.000
2N1554A	TO-3	60		30.0		45	30	60	2.0	10.0	.70		10.0	1.000
2N1555	TO-3	80	40	40.0		60	30	60	2.0	10.0	.50		10.0	1.000
2N1555A	TO-3	80		40.0		60	30	60	2.0	10.0	.70		10.0	1.000
2N1556	TO-3	100	50	50.0		75	30	60	2.0	10.0	.50		10.0	1.000
2N1556A	TO-3	100		50.0		75	30	60	2.0	10.0	.70		10.0	1.000
2N1557	TO-3	40	20	20.0		30	50	100	2.0	10.0	.40		10.0	1.000
2N1557A	TO-3	40		20.0		30	50	100	2.0	10.0	.50		10.0	1.000
2N1558	TO-3	60	30	30.0		45	50	100	2.0	10.0	.40		10.0	1.000
2N1558A	TO-3	60		30.0		45	50	100	2.0	10.0	.50		10.0	1.000
2N1559	TO-3	80	40	40.0		60	50	100	2.0	10.0	.40		10.0	1.000
2N1559A	TO-3	80		40.0		60	50	100	2.0	10.0	.50		10.0	1.000
2N1560	TO-3	100	50	50.0		75	50	100	2.0	10.0	.40		10.0	1.000
2N1560A	TO-3	100		50.0		75	50	100	2.0	10.0	.50		10.0	1.000
2N1970	TO-36	100	50	40.0			17	40	2.0	5.0	1.00		12.0	2.000
2N1980	TO-36	50	30	20.0			50	100	2.0	5.0	.50		5.0	.500
2N1981	TO-36	70	40	20.0			50	100	2.0	5.0	.50		5.0	.500
2N1982	TO-36	90	50	20.0			50	100	2.0	5.0	.50		5.0	.500
2N2075	TO-36	80	65	40.0		80	20	40	2.0	5.0	.70		12.0	2.000
2N2076	TO-36	70	55	35.0		70	20	40	2.0	5.0	.70		12.0	2.000

GERMANIUM POWER TRANSISTORS

θ_{J-C} °C/W	TYPICAL SWITCHING TIMES					V_{CE} V	I_C A	EL	TYPE NUMBER
	t_r μs	t_{on} μs	t_s μs	t_f μs	t_{off} μs				
1.00								17	2N278
.80								G7	2N677
.80								G7	2N677A
.80								G7	2N677B
.80								G7	2N677C
.80								G7	2N678
.80								G7	2N678A
.80								G7	2N678B
.80								G7	2N678C
.80								G7	2N1031
.80								G7	2N1031A
.80								G7	2N1031B
.80								G7	2N1031C
.80								G7	2N1032
.80								G7	2N1032A
.80								G7	2N1032B
.80								G7	2N1032C
.80								17	2N1099
.80								17	2N1100
1.50								G7	2N1120
.80								G7	2N1146
2.50								G7	2N1146A
2.50								G7	2N1146B
.80								G7	2N1146C
.80								G7	2N1147
.80								G7	2N1147A
.80								G7	2N1147B
.80								G7	2N1147C
.80								17	2N1358
.80								17	2N1412
.80								G7	2N1549
.80								G7	2N1549A
.80								G7	2N1550
.80								G7	2N1550A
.80								G7	2N1551
.80								G7	2N1551A
.80								G7	2N1552
.80								G7	2N1552A
.80								G7	2N1553
.80								G7	2N1553A
.80								G7	2N1554
.80								G7	2N1554A
.80								G7	2N1555
.80								G7	2N1555A
.80								G7	2N1556
.80								G7	2N1556A
.80								G7	2N1557
.80								G7	2N1557A
.80								G7	2N1558
.80								G7	2N1558A
.80								G7	2N1559
.80								G7	2N1559A
.80								G7	2N1560
.80								G7	2N1560A
.80								17	2N1970
.50								17	2N1980
.50								17	2N1981
.50								17	2N1982
.50								17	2N2075
.50								17	2N2076

15 AMP GERMANIUM PNP Observe (–) Negative Polarity