

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
5 AMP GERMANIUM PNP							Observe (-) Negative Polarity							
2N1168	TO-3	50		20.0		30	70	110	2.0	1.0	.25		3.0	.100
2N1529	TO-3	40	20	20.0		30	20	40	2.0	3.0	.15		3.0	.300
2N1529A	TO-3	40	20	20.0		30	20	40	2.0	3.0	.15		3.0	.300
2N1530	TO-3	60	30	30.0		45	20	40	2.0	3.0	.15		3.0	.300
2N1530A	TO-3	60	30	30.0		45	20	40	2.0	3.0	.15		3.0	.300
2N1531	TO-3	80	40	40.0		60	20	40	2.0	3.0	.15		3.0	.300
2N1531A	TO-3	80		40.0		60	20	40	2.0	3.0	1.50		3.0	.300
2N1532	TO-3	100	50	50.0		75	20	40	2.0	3.0	1.50		3.0	.300
2N1532A	TO-3	100		50.0		75	20	40	2.0	3.0	1.50		3.0	.300
2N1533	TO-3	120	60	60.0		90	20	40	2.0	3.0	1.50		3.0	.300
2N1534	TO-3	40	20	20.0		30	35	70	2.0	3.0	1.20		3.0	.300
2N1534A	TO-3	40		20.0		30	35	70	2.0	3.0	1.20		3.0	.300
2N1535	TO-3	60	30	30.0		45	35	70	2.0	3.0	1.20		3.0	.300
2N1535A	TO-3	60		30.0		45	35	70	2.0	3.0	1.20		3.0	.300
2N1536	TO-3	80	40	40.0		60	35	70	2.0	3.0	1.20		3.0	.300
2N1536A	TO-3	80		40.0		60	35	70	2.0	3.0	1.20		3.0	.300
2N1537	TO-3	100	50	50.0		75	35	70	2.0	3.0	1.20		3.0	.300
2N1537A	TO-3	100		50.0		75	35	70	2.0	3.0	1.20		3.0	.300
2N1538	TO-3	120	60	60.0		90	35	70	2.0	3.0	1.20		3.0	.300
2N1539	TO-3	40	20	20.0		30	50	100	2.0	3.0	.60		3.0	.300
2N1539A	TO-3	40		20.0		30	50	100	2.0	3.0	.30		3.0	.300
2N1540	TO-3	60	30	30.0		45	50	100	2.0	3.0	.60		3.0	.300
2N1540A	TO-3	60		30.0		45	50	100	2.0	3.0	.30		3.0	.300
2N1541	TO-3	80	40	40.0		60	50	100	2.0	3.0	.60		3.0	.300
2N1541A	TO-3	80		40.0		60	50	100	2.0	3.0	.30		3.0	.300
2N1542	TO-3	100	50	50.0		75	50	100	2.0	3.0	.60		3.0	.300
2N1542A	TO-3	100		50.0		75	50	100	2.0	3.0	.30		3.0	.300
2N1543	TO-3	120	60	60.0		90	50	100	2.0	3.0	.60		3.0	.300
2N1543A	TO-3	120		60.0		90	50	100	2.0	3.0	.30		3.0	.300
2N1544	TO-3	40	20	20.0		30	75	150	2.0	3.0	.20		3.0	.300
2N1544A	TO-3	40	20	20.0		30	75	150	2.0	3.0	.20		3.0	.300
2N1545	TO-3	60	30	30.0		45	75	150	2.0	3.0	.20		3.0	.300
2N1545A	TO-3	60	30	30.0		45	75	150	2.0	3.0	.20		3.0	.300
2N1546	TO-3	80	40	40.0		60	75	150	2.0	3.0	.20		3.0	.300
2N1546A	TO-3	80	40	40.0		60	75	150	2.0	3.0	.20		3.0	.300
2N1547	TO-3	100	50	50.0		75	75	150	2.0	3.0	.20		3.0	.300
2N1547A	TO-3	100	50	50.0		75	75	150	2.0	3.0	.20		3.0	.300
2N1548	TO-3	120	60	60.0		90	75	150	2.0	3.0	.20		3.0	.300
2N1971	TO-3	80		40.0			25	60	2.0	.5				
2N2266	MT-36	80	55				25	75	2.0	5.0	.75		5.0	.667
2N2267	MT-36	100	55				25	75	2.0	5.0	.75	5.50	5.0	.667
6 AMP GERMANIUM PNP							Observe (-) Negative Polarity							
2N1136	TO-3	60		15.0	35		50	100	5.0	3.0	.10		3.0	.300
2N1136A	TO-3	90		15.0	65		50	100	5.0	3.0	.10		3.0	.300
2N1136B	TO-3	100		15.0	75		50	100	5.0	3.0	.10		3.0	.300
2N1137	TO-3	60	25	15.0	35		75	150	5.0	3.0	.10		3.0	.300
2N1137A	TO-3	90	55	15.0	65		75	150	5.0	3.0	.10		3.0	.300
2N1137B	TO-3	100	65	15.0	75		75	150	5.0	3.0	.10		3.0	.300
2N1138	TO-3	60	25	15.0	35		100	200	5.0	3.0	.10		3.0	.300
2N1138A	TO-3	90	55	15.0	65		100	200	5.0	3.0	.10		3.0	.300
2N1138B	TO-3	100	65	15.0	75		100	200	5.0	3.0	.10		3.0	.300
7 AMP GERMANIUM PNP							Observe (-) Negative Polarity							
2N250A	TO-3	40		20.0			25	100	1.5	3.0	.70	1.00	3.0	.150
2N251A	TO-3	60		20.0			25	100	1.5	3.0	.70	1.00	3.0	.150
2N456	TO-3	40		20.0			10		1.5	5.0	.50		5.0	.500
2N456A	TO-3	40	20	20.0			30	90	1.5	5.0	.50		5.0	.500
2N456B	TO-3	40		30.0		50	30	90	1.5	5.0	.50		5.0	.500
2N457	TO-3	60		20.0			10		1.5	5.0	.50		5.0	.500

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				
5 AMP GERMANIUM PNP Observe (—) Negative Polarity									
1.50								G4	2N1168
1.20								G4	2N1529
.80								G4	2N1529A
.80								G4	2N1530
.80								G4	2N1530A
.80								G4	2N1531
.80								G4	2N1531A
.80								G4	2N1532
.80								G4	2N1532A
.80								G4	2N1533
.80								G4	2N1534
.80								G4	2N1534A
.80								G4	2N1535
.80								G4	2N1535A
.80								G4	2N1536
.80								G4	2N1536A
.80								G4	2N1537
.80								G4	2N1537A
.80								G4	2N1538
.80								G4	2N1539
.80								G4	2N1539A
.80								G4	2N1540
.80								G4	2N1540A
.80								G4	2N1541
.80								G4	2N1541A
.80								G4	2N1542
.80								G4	2N1542A
.80								G4	2N1543
.80								G4	2N1543A
.80								G6	2N1544
.80								G6	2N1544A
.80								G6	2N1545
.80								G6	2N1545A
.80								G6	2N1546
.80								G6	2N1546A
.80								G6	2N1547
.80								G6	2N1547A
.80								G6	2N1548
2.00								G4	2N1971
1.20								G5	2N2266
1.20								G5	2N2267
6 AMP GERMANIUM PNP Observe (—) Negative Polarity									
1.20								G4	2N1136
1.20								G4	2N1136A
1.20								G4	2N1136B
1.20								G4	2N1137
1.20								G4	2N1137A
1.20								G4	2N1137B
1.20								G4	2N1138
1.20								G4	2N1138A
1.20								G4	2N1138B
7 AMP GERMANIUM PNP Observe (—) Negative Polarity									
.80								G4	2N250A
.80								G4	2N251A
.50								G6	2N456
.50								G6	2N456A
.50								G7	2N456B
.50								G6	2N457