GERMANIUM POWER TRANSISTORS

TYPE NUMBER	CASE TYPE	V_{CBO} V	V_{CEO} V	V_{EBO} V	V_{CER} V	V_{CES} V	CURRENT GAIN h_{FE} MIN.	h_{FE} MAX.	@ V_{CE} V	@ I_C A	SATURATION VOLTAGES $V_{CE(s)}$ V	$V_{BE(s)}$ V	@ I_C A	@ I_B A
2 AMP GERMANIUM PNP														
2N250	TO-3	30		15.0			30		2.0	.5	.25		.5	.050
2N251	TO-3	60		15.0			30		2.0	.5	.25		.5	.050
2N296	TO-3	60		15.0	60		20		2.0	1.0	1.00		1.0	.100
2N301	TO-3	40		10.0	50		30	70	1.5	.5				
2N301A	TO-3	60		10.0	50		30	70	1.5	.5				
2N307A	TO-3	35		10.0			30		1.0	.5				
3 AMP GERMANIUM PNP														
CA2D2	MT-36	20	20	1.2			20		2.0	2.0	.60		2.0	.200
2N155	TO-3	30		15.0			24		2.0	.5	.65		1.0	.100
2N176	TO-3	40		10.0			25	90	2.0	.5				
2N235A	TO-3	50		15.0	40		20	80	2.0		.80		1.0	.100
2N236A	TO-3	50		15.0	35		20	80	2.0		1.00		3.0	.300
2N236B	TO-3	50		15.0	35		40	120	2.0		1.00		3.0	.300
2N242	TO-3	45		45.0			30	90	2.0	.5				
2N255	TO-3	15		15.0			20	100	2.0	.5	.50		.1	.010
2N256	TO-3	30		30.0			20	100	2.0	.5	.50		.1	.010
2N268	TO-3	80		40.0			28		2.0	.5				
2N285A	TO-3	25		15.0	35		38		2.0					
2N285B	TO-3	25		15.0	35		38		2.0					
2N297A	TO-3	60	50	40.0		50	40	100	2.0	.5	1.00		.2	.200
2N375	TO-3	80		40.0		60	35	90	4.0	1.0	1.00		2.0	.200
2N392	TO-3	60	40	40.0			40	200	2.0	1.0				
2N399	TO-3	25		15.0	35		36	40	2.0					
2N538	MT-36	80	60	28.0			20	50	2.0	2.0	.60		2.0	.200
2N538A	MT-36	80	60	28.0			20	50	2.0	2.0	.60		2.0	.200
2N539	MT-36	80	55	28.0			30	75	2.0	2.0	.60		2.0	.200
2N539A	MT-36	80	55	28.0			30	75	2.0	2.0	.60		2.0	.200
2N540	MT-36	80	55	28.0			45	113	2.0	2.0	.60		2.0	.200
2N540A	MT-36	80	55	28.0			45	113	2.0	2.0	.60		2.0	.200
2N554	TO-3	40		10.0	30		25		2.0		.60		3.0	.300
2N555	TO-3	30		15.0		30	20		2.0	.5	.40		.3	.300
2N618	TO-3	80		40.0		60	60	140	4.0	1.0	.80		2.0	.200
2N1359	TO-3	50		25.0		40	35	90	4.0	1.0	1.00		2.0	.200
2N1360	TO-3	50		25.0		40	60	150	4.0	1.0	1.00		2.0	.200
2N1362	TO-3	100		50.0		75	35	90	4.0	1.0	1.00		2.0	.200
2N1363	TO-3	100		50.0		75	60	140	4.0	1.0	1.00		2.0	.200
2N1364	TO-3	120		60.0		100	35	90	4.0	1.0	1.00		2.0	.200
2N1365	TO-3	120		60.0		100	40	100	4.0	1.0	1.00		2.0	.200
2N1501	MT-36	60	40	28.0			25	100	2.0	2.0	.60		2.0	.200
2N1502	MT-36	40	40	28.0			25	100	2.0	2.0	.60		2.0	.200
4 AMP GERMANIUM PNP														
2N234A	TO-3	25			25		25		2.0					
2N235B	TO-3	25		15.0	35		34	40	2.0					
2N255A	TO-3	15		15.0	15		25		2.0					
2N256A	TO-3	30		15.0	25		25		2.0					
2N257	TO-3	40		6.0			20		2.0					
2N553	TO-3	80		40.0			40	80	2.0	.5	.90		.3	.220
2N663	TO-3	50	25	20.0			25	75	2.0	.5	1.00	1.50	.3	.600
2N1159	TO-3	80	60	20.0			30	75	2.0	3.0	.07		3.0	.200
5 AMP GERMANIUM PNP														
2N350	TO-3	50		10.0		30	20	60	2.0	.7	.40		3.0	.300
2N350A	TO-3	50		25.0		40	20	60	2.0	.7	1.75		3.0	.300
2N351	TO-3	50		10.0		30	25	90	2.0	.7	.40		3.0	.300
2N351A	TO-3	50		25.0		40	25	90	2.0	.7	1.75		4.0	.400
2N376	TO-3	50		10.0		30	35	120	2.0	.7	.40		3.0	.300
2N376A	TO-3	50		25.0		40	35	120	2.0	.7	1.75		5.0	.500
2N665	TO-3	80		40.0			40	80	2.0	.5	.90		.3	.200
2N669	TO-3	40		20.0		30	75	250	2.0	.5				
2N1011	TO-3	80	40	40.0		80	30	75	2.0	3.0	.15		3.0	.200

GERMANIUM POWER TRANSISTORS

$\theta_{J\text{-}C}$ °C/W	TYPICAL SWITCHING TIMES t_r μs	t_{on} μs	t_s μs	t_f μs	t_{off} μs	V_{CE} V	I_C A	EL	TYPE NUMBER
2 AMP GERMANIUM PNP Observe (–) Negative Polarity									
2.20								G4	2N250
2.20								G4	2N251
3.00								G4	2N296
1.00								G4	2N301
1.00								G4	2N301A
1.50								G4	2N307A
3 AMP GERMANIUM PNP Observe (–) Negative Polarity									
2.20								G5	CA2D2
3.00								G4	2N155
.80								G4	2N176
1.50								G4	2N235A
1.50								G4	2N236A
1.50								G4	2N236B
3.00								G4	2N242
3.00								G4	2N255
3.00								G4	2N256
1.50								G4	2N268
								G4	2N285A
								G4	2N285B
2.00								G4	2N297A
1.20								G4	2N375
.80								G4	2N392
1.50								G4	2N399
2.20								G5	2N538
2.20								G5	2N538A
2.20								G5	2N539
2.20								G5	2N539A
2.20								G5	2N540
2.20								G5	2N540A
1.00								G4	2N554
1.00								G4	2N555
1.20								G4	2N618
.80								G4	2N1359
.80								G4	2N1360
.80								G4	2N1362
.80								G4	2N1363
.80								G4	2N1364
.80								G4	2N1365
2.20								G5	2N1501
2.20								G5	2N1502
4 AMP GERMANIUM PNP Observe (–) Negative Polarity									
								G4	2N234A
								G4	2N235B
								G4	2N255A
								G4	2N256A
								G4	2N257
2.00								G4	2N553
1.20								G4	2N663
1.20								G4	2N1159
5 AMP GERMANIUM PNP Observe (–) Negative Polarity									
.80								G4	2N350
.80								G4	2N350A
.80								G4	2N351
.80								G4	2N351A
.80								G4	2N376
.80								G4	2N376A
1.00								G4	2N665
.80								G4	2N669
2.00								G4	2N1011