GERMANIUM SMALL SIGNAL TRANSISTORS

PRO ELECTRON TYPES

Type	Polarity	V_{CBO} V Max	V_{EBO} V Max	V_{CE} V Max		I_{CBO} @V_{CB} V	I_{CBO} μA Max	h_{FE} Min	h_{FE} Max	@I_C mA	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @25°C MW
AC107	P	15						35-		300[1]			TO-1	80
AC116	P	30	12	18		6	8	50-	140	20	21[2]		NS257	145
AC117	P	32	10	18		6	18	40-		150			NS257	260
AC121—IV	P	20	10	20				30-	60	100	40	1.5[2]	TO-1	900
AC121—V	P	20	10	20				50-	100	100	40	1.5[2]	TO-1	900
AC121—VI	P	20	10	20				75-	150	100	40	1.5[2]	TO-1	900
AC121—VII	P	20	10	20				125-	250	100	40	1.5[2]	TO-1	900
AC122	P	30	18	18		6	8	40-	200	2[1]	21[2]		TO-1	130
AC122/30	P	45	12	32		6	8	40-	200	2[1]	21[2]		TO-1	130
AC123	P	45	12	32		6	8	50-	140	20	21[2]		NS257	145
AC124	P	45	10	32		6	18	40-	170	150			NS257	260
AC125	P	32	10	12		10	10	50-		2	50	1.3	TO-1	500
AC126	P	32	10	12		10	10	65-		2	50	1.7	TO-1	500
AC127	N	32	10	12				50-		500	70[2]	2.5	TO-1	340
AC128	P	32	10	16		10	10	55-	175	50	100	1.0	TO-1	1,000
AC128K	P	32	10	16		10	10	55-	175	50	100	1.0	NS257	1,000
AC130	N	20										2.0	TO-1	
AC131	P	30	10	18		6	18	40-		150			TO-1	212
AC132	P	32	10	12		0.5	10	135[2]-		20	40[2]	1.3	TO-1	500
AC138	P	32	10	20		10	15	30-		5[1]			TO-1	720
AC139	P	32	10	20		10	15	40-	160	400			TO-1	720
AC141	N	32	10	18		10	35	40-	160	400			TO-1	720
AC142	P	32	10	20		10	15	40-	160	400			TO-1	720
AC142K	P	32	10	20		10	15	40-	160	400			NS257	860
AC151	P	32	10	2Y		10	10	30[1]-		2	27[2]	1.5[2]	TO-1	900
AC152	P	32	10	2Y		0.5	10	30-	150	100	40	1.5[2]	TO-1	900
AC153	P	32	10	18		10	10	50-	250	300	100	1.0	TO-1	1,000
AC153K	P	32	10	18		10	10	50-	250	300	100	1.0	NS257	1,000
AC162	P	32	10	2Y		10	10	100[2]		50	40	1.3	TO-1	900
AC163	P	32	10	2Y		10	10	65-		2	40	1.7	TO-1	900
AC173	P	32	10	2Y				50-		2[1]			TO-1	200
AC176	N	32	10	18		10	35	50-	250	300	100[2]	1.0	TO-1	700
AC178	P	20	10	15		6	35	60-		150			NS257	180
AC179	N	20	10	15		6	10[2]	60-		150			NS257	180
AC180	P	32	20	16				50-	250	600		2.5[2]	TO-1	600
AC180K	P	32	20	16				50-	250	600		2.5[2]	NS257	2,500
AC181	N	32	20	16				50-	250	600		4.5[2]	TO-1	600
AC181K	N	32	20	16				50-	250	600		4.5[2]	NS257	2,500
AC182	P	32	20	18				50-		1[1]		4.0[2]	TO-1	200
AC183	N	32	20	16				50-		2[1]		4.0[2]	TO-1	250
AC184	P	32	20	16				50-	250	300		2.5[2]	TO-1	600
AC185	N	32	20	16				50-	250	300		2.5[2]	TO-1	600
AC187	N	25	10	15		10	35	100-	500	300	180	1.0	TO-1	1,000
AC187K	N	25	10	15		10	35	100-	500	300	180	1.0	NS257	1,000
AC188	P	25	10	15		10	15	100-	500	300	110	1.0	TO-1	1,000
AC188K	P	25	10	15		10	15	100-	500	300	100	1.0	NS257	1,000
AC193	P	32	10	15		10	15	90-	400	400	40[2]	3.0[2]	TO-1	220
AC193K	P	32	10	15		10	15	90-	400	400	40[2]	3.0[2]	TO-1	260
AC194	N	32	10	15		10	35	90-	400	400	80[2]	5.0[2]	TO-1	220
AC194K	N	32	10	15		10	35	90-	400	400	80[2]	5.0[2]	TO-1	260
ACY11	P	32	16	30		5	12	38-		10	35	0.4	TO-1	150
ACY14	P	32	16	30		5	12	54-		10	35	0.4	TO-1	150
ACY17		70	12	32		6	10	50-	150	300	40	1.0	TO-5	200
ACY18		50	12	30		6	10	40-	120	300	40	1.0	TO-5	200
ACY19		50	12	30		6	10	80-	250	300	40	1.3	TO-5	200
ACY20		40	12	20		6	10	50-	145	50	40	1.0	TO-5	200
ACY21		40	12	20		6	10	90-	250	50	40	1.3	TO-5	200
ACY22		20	12	15		6	10	30-	300	300	40	1.0	TO-5	200
ACY23	P	32	16	30				50-		1[1]		0.5	TO-1	900
ACY27	P	40	30	20		30	12	20-	55	1[1]	40	1.0[2]	TO-1	200
ACY28	P	40	30	15		30	12	45-	150	1[1]	40	1.0[2]	TO-1	200
ACY29	P	40	30	15		30	12	45-	150	1[1]	40	1.0[2]	TO-1	200
ACY30	P	40	40	20		30	12	60-	200	1[1]	40	1.0[2]	TO-1	200
ACY31	P	40	20			12	5	35-	70	1[1]	40	1.0[2]	TO-1	200
ACY32	P	32	16	30		10	10	50-	150	1[1]	27[2]	0.5	TO-1	900

[1]hfe
[2]typical

GERMANIUM SMALL SIGNAL TRANSISTORS

PRO ELECTRON TYPES

Type	Polarity	V_{CBO} V Max	V_{EBO} V Max	V_{CE} V Max		I_{CBO} @V_{CB} V	I_{CBO} µA Max	h_{FE} Min Max	@I_C mA	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @25°C MW
ACY33	P	32	10	32		10	10	75-250	300	100	1.0	TO-1	1,000
ACY34	P	30	10	10		30	12	20-40	1[1]	40	1.0[2]	TO-1	200
ACY35	P	30	10	10		30	12	30-75	1[1]	40	1.0[2]	TO-1	200
ACY36	P	32	10	16		30	12	30-90	80	40	1.0[2]	TO-1	200
ACY38	P	15	9					75-	1[1]		5.0	TO-5	150
ACY39	P	110	12	40		6	10	50-150	300	40	1.0[1]	TO-5	260
ACY40	P	32	12	18		6	10	30-70	300	40	1.0[1]	TO-5	260
ACY41	P	32	12	18		6	10	50-250	300	40	1.0[1]	TO-5	260
ACY44	P	50	12	30		6	10	40-120	300	40	1.0[1]	TO-5	260
ASY26	P	30	20	15		30	7	30-80	20	16	4.0	TO-5	150
ASY27	P	25	20	15		25	7	50-150	20	16	6.0	TO-5	150
ASY28	N	30	20	15		5	3.0	30-80	20	16	4.0	TO-5	150
ASY29	N	25	20	15		5	3.0	50-150	20	16	10.0	TO-5	150
ASY48	P	64	16	45				30-150	100	40	1.2[2]	TO-⊥	900
ASY70	P	32	16	30				30-150	100	40	1.5[2]	TO-⊥	900
ASY76	P	40	10	32		10	10	25-130	300	60	0.5	TO-5	300
ASY77	P	60	10	60		10	10	25-130	300	60	0.5	TO-5	300
ASY80	P	40	20	40		10	10	60-165	50	60	0.7	TO-5	300
ASY81	P	60	25	35		60	15	30-100	100	25	2.0	TO-5	200
OC65	P	10	10	10		4.5	12	30-	4	40	1.0[1]	TO-⊥	25
OC66	P	10	10	10		4.5	12	50-	4	40	1.0[1]	TO-⊥	25
OC70	P	30	10	10		4.5	13	20-40	0.5[1]	40	1.0[1]	TO-⊥	125
OC71	P	30	10	10		4.5	13	41-	1.0[1]	40	1.0[1]	TO-⊥	125
OC72	P	32	10	16		10	10	45-120	10	40	1.0[1]	TO-⊥	125
OC73	P	32	20	16		4.5	6	30-65	0.5[1]	40	1.0[1]	TO-⊥	125
OC74	P	20	5			9	20	60-150	50	40	1.0[1]	TO-⊥	220
OC75	P	30	10	10		4.5	14	60-130	3[1]	40	1.0[1]	TO-⊥	125
OC76	P	32	10	16		10	10	45-	10	40	1.0[1]	TO-⊥	125
OC77	P	60	10	15		10	10	45-	10	40	1.0[1]	TO-⊥	125
OC78	P	20	10			10	10	20-	125	40	1.0[1]	TO-⊥	200
OC81N	P	32	10			10	10	50-250	50	40	1.0[1]	TO-⊥	200
OC83N	P	32	10	20		10	10	40-200	300	40	1.0[1]	TO-⊥	220
OC84N	P	32	10	20		10	10	50-160	300	40	1.0[1]	TO-⊥	220

[1]hfe
[2]typical

Type		V_{CBO} V Max	V_{EBO} V Max	V_{CE} V Max		I_{CBO} @V_{CB} V	I_{CBO} µA Max	h_{FE} Typical	@I_C mA	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @25°C MW
PNP LOW POWER													
2N217		35	12	25		10	10	50-	1[1]	60	1[2]	TO-⊥	165
2N408		20	2.5	18		20	14	65-	50			TO-⊥	150
2N484		12				12	10	90-	1[1]	12[2]	10	TO-5	150
2N519		15	10	15		0.5	2.0	25-	1[1]	14[2]	0.5	TO-5	100
2N520		15	10	12		0.5	2.0	40-	1[1]	14[2]	3.0	TO-5	100
2N520A		25	10	15		0.5	2.0	40-	1[1]	14[2]	3.0	TO-5	150
2N522A		25	10	10		0.5	2.0	100-	1[1]	14[2]	15.0	TO-5	150
2N1187		65	30	45		10	10	50-	1[1]		1.0	TO-5	200
2N1188		60	30	45		10	10	100-	1[1]		1.2	TO-5	200
2N1729		25	20	15		3	6	30-	100	20		TO-5	150
2N1731		30	25	30		3	6	40-	10	20	5.0	TO-5	150

Type		V_{CBO} V Max	V_{EBO} V Max	V_{CE} V Max		I_{CBO} @V_{CB} V	I_{CBO} µA Max	h_{FE} Typical	@I_C mA	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @25°C MW
NPN LOW POWER													
2N166		6				6	5	32	1.0		5.0	R5	25
2N167		30	50	30		30	1.5		1.0	4.0[1]	8.0	OV17	65
2N169A		25	25	25		25	5			2.4[1]	5.0	OV17	55
2N356		20	20	18		20	5	30	1.0	14[1]	3.0	TO-5	100

GERMANIUM NPN TRANSISTORS

Type	V_{CBO} V Max	V_{EBO} V Max	V_{CE} V Max		I_{CBO} @V_{CB} V	I_{CBO} µA Max	h_{FE} Typical	@I_C mA	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @25°C MW
NPN												
2N356A	30	20	20		30	5	20	100			TO-5	150
2N357	20	20	15		20	5	45	1.0	14[1]	6.0	TO-5	100
2N357A	30	20	20		30	5	25	200			TO-5	150
2N358	20	20	12		20	5	60	1.0	14[1]	9.0	TO-5	100
2N358A	30	20	15		30	5	25	300			TO-5	150
2N358A	30	20	15		30	25	25	300			TO-5	150
2N366	30		2		30	10	65	1.0	4.5	3.5	OV9	150
2N377	25	15	20		25	10	40	30	20	6.0	TO-5	150
2N377A	40	15			40	20	20	30	20	6.0	TO-5	150
2N385	25	15	25		25	10	60	30	20	6.0	TO-5	150
2N385A	40	15	15		40	40	70	30	20	8.0	TO-5	150
2N388	20	15	20		20	10	150	30	20	15	TO-5	150
2N388	25	15	20		25	10	60	30	20	5.0	TO-5	150
2N388A	40	15			40	10	60	30	20	8.0	TO-5	150
2N438	30	25	25		30	10	25	1.0	9[1]	2.5	TO-5	100
2N438A	30	25	25		30	10	25	1.0	9[1]	2.5	TO-5	150
2N439	30	25	20		30	10	35	1.0	9[1]	5.0	TO-5	100
2N439A	30	25	20		30	10	35	1.0	9[1]	5.0	TO-5	150
2N440	30	25	15		30	10	65	1.0	9[1]	10.0	TO-5	100
2N440A	30	25	15		30	10	65	1.0	9[1]	10.0	TO-5	150
2N444	15		15		15	2	15	1.0	13[1]	0.5	TO-5	100
2N444A	40	10	25		40	5	15	1.0		0.5	TO-5	150
2N445	15		12		15	2	35	1.0	13[1]	2.0	TO-5	100
2N446	30	10	18		30	4	35	1.0		2.0	TO-5	150
2N446A	30	10	15		30	4	60	1.0		5.0	TO-5	150
2N447A	30	10	12		30	4	85	1.0		9.0	TO-5	150
2N587	40	40	20		40	50	20	200	30		TO-5	150
2N634	20	15	15		20	5	15	200		8.0	TO-5	150
2N534A	25	25	20		25	6	55	10	12[1]	8.0	TO-5	150
2N635	20	15	15		20	5	25	200		12.0	TO-5	150
2N635A	25	25	20		25	6	100	10	12[1]	12.0	TO-5	150
2N636	20	15	15		20	5	35	200		17.0	TO-5	150
2N636A	25	25	15		25	6	190	10	12[1]	17.0	TO-5	150
2N1302	25	25	25		25	6	20	10	20	3.0	TO-5	150
2N1302	25	25	25		25	6	20	10	20	3.0	TO-5	150
2N1304	25	25	20		25	6	40-200	10	20	5.0	TO-5	150
2N1304	25	25	20		25	6	40-200	10	20	5.0	TO-5	150
2N1306	25	25	15		25	6	60-300	10	20	10.0	TO-5	150
2N1306	25	25	15		25	6	60-300	10	20	10.0	TO-5	150
2N1308	25	25	15		25	6	80	10	20	15.0	TO-5	150
2N1308	25	25	15		25	6	80-400	10	20	15.0	TO-5	150
2N1605	25	12	2Y		25	5	125	20	20	4.0	TO-5	150
2N1605A	40	12			40	10	60	20	20	6.0	TO-5	200
2N1730	25	20	15		25	6	30	100	20		TO-5	150
2N1732	30	25	30		30	6	40	10	20	5.0	TO-5	150
2N1808	25	20	25		25	5	125	20	13[1]	14.0	TO-5	150
2N1892	30	25	15		30	6	30	2	20	5.0	TO-5	150
2N1993	30	30	15		30	10	50	10	20	3.0	TO-5	150
2N2430	32	10	32		32	10	105	50	90	1.5	TO-L	280

Type	V_{CBO} V Max	V_{EBO} V Max	V_{CE} V Max		I_{CBO} @V_{CB} V	I_{CBO} µA Max	h_{FE} Min	h_{FE} Max	@I_C mA	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @25°C MW
GERMANIUM PNP MESA TRANSISTORS													
2N705	15	3.5			5	3.0	25-		10		300	TO-18[1,3]	300
2N705A	15	3.5			5	3.0	25-		10			TO-18[1]	150
2N710	15	1.0			1	3.0	25-		10		300	TO-18[1]	300
2N711	12	1.0	12		5	3.0	20-		10	7.5	150	TO-18[1]	150
2N711A	15	1.5	7		5	1.5	25-		10	6.0	150	TO-18[1]	150
2N711B	18	2.0	7		10	1.5	30-		10	6.0	150	TO-18[1]	150
2N827	20	4.0			15	5.0	100-		10	9.0		TO-18[1]	150
2N828	18	2.5			6	3.0	25-		10		300	TO-18[1]	300

GERMANIUM PNP MESA TRANSISTORS

Type	V_{CBO} V Max	V_{EBO} V Max	V_{CE} V Max		I_{CBO} @V_{CB} V	μA Max	h_{FE} Min	Max	@I_C mA	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @25°C MW
2N828A	15	2.5			6	3.0	25-		10	4.0	300	TO-18[1]	150
2N829	15	2.5			6	3.0	50-		10	4.0	300	TO-18[1]	150
2N808	30	2.5			15	10.0	30-		10	4.0		TO-18[1]	150
2N960	15	2.5	7		6	3.0	20-		10	4.0	300	TO-18[1]	150
2N961	12	2.0	7		6	3.0	20-		10	4.0	300	TO-18[1]	150
2N962	12	1.2	7		6	3.0	20-		10	4.0	300	TO-18[1]	150
2N962	12	1.3	7		6	3.0	20-		10	5.0	300	TO-18[1]	150
2N963	12	2.0			6	5.0	20-		10	5.0	300	TO-18[1]	300
2N964	15	2.5	7		6	3.0	40-		10	4.0	300	TO-18[1]	150
2N964	15	2.5	7		6	3.0	40-		10	5.0	300	TO-18[1]	150
2N964A	15	2.5	7		6	3.0	48-		10	4.0	300	TO-18[1]	150
2N965	12	2.0	7		6	3.0	40-		10	4.0	300	TO-18[1]	150
2N966	12	1.2	7		6	3.0	40-		10	4.0	300	TO-18[1]	150
2N967	12	2.0			6	5.0	40-		10	4.0	300	TO-18[1]	300
2N968	15	2.5			6	3.0	17-		10	8.0	300	TO-18[1]	150
2N969	12	2.0			6	3.0	17-		10	8.0	300	TO-18[1]	150
2N970	12	1.2			6	3.0	17-		10	8.0	300	TO-18[1]	150
2N971	7	1.2			6	10.0	17-		10	8.0	300	TO-18[1]	150
2N972	15	2.5			6	3.0	40-		10	8.0	300	TO-18[1]	150
2N973	12	2.0			6	3.0	40-		10	8.0	300	TO-18[1]	150
2N974	12	1.2			6	3.0	40-		10	8.0	300	TO-18[1]	150
2N975	7	1.2			6	10.0	40-		10	8.0	300	TO-18[1]	150
2N985	15	3.0	7		5	3.0	40-		10	6.0		TO-18[1]	300
2N2635	30	2.5	15		25	5.0	30-		10	5.0		TO-18[1]	300
2N3449	15	1.5	6		6	3.0	20-		10	5.0		TO-18[1]	150

[1]grounded collector

GERMANIUM PNP SMALL SIGNAL TRANSISTORS

Type	V_{CBO} V Max	V_{EBO} V Max	V_{CE} V Max	I_{CBO} @V_{CB} V	μA Max	h_{FE} Min	Max	@I_C mA	Cob pf Max	fab MHZ Min	Outline	Power Dissipation @25°C MW
2N43A	45	5	30	45	16	34-65		20	60	0.5	R-32	240
2N44A	45	5	30	45	16	18-43		20	60	0.5	R-32	240
2N45	25	5	25	45	16	18-43		20	60	0.5	R-32	155
2N186A	25	5	25	25	16	19-31		20		0.8†	R-32	200
2N187A	25	5	25	25	16	25-42		20		1.0†	R-32	200
2N188A	25	5	25	25	16	34-65		20		1.2†	R-32	200
2N190	25		25	25	16	34-65		20		1.0†	R-32	200
2N191	25		25	25	16	53-121		20		1.2†	R-32	200
2N192	25		25	25	16	52-176		20		1.5†	R-32	200
2N241A	25	5	25	25	16	50-125		20		1.3†	R-32	200
2N319	25	3	20	25	16	25-42		20	30	2.0†	TO-5	225
2N320	25	3	20	25	16	34-65		20	30	2.5†	TO-5	225
2N321	25	3	20	25	16	53-121		20	30	3.0†	TO-5	225
2N322	16	10	18	16	16	34-65		20	30	1.0	TO-5	200
2N323	16	10	18	16	16	53-125		20	30	1.5	TO-5	200
2N324	16	10	18	16	16	72-198		20	30	2.0	TO-5	200
2N394	30	20	15	10	6	20-150		10	20	7.0†	TO-5	150
2N394A	30	20	15	12	6	30-120		10	20	7.0†	TO-5	150
2N395	30	20	15	15	6	20-150		10	20	6.0†	TO-5	200
2N396	30	20	20	20	6	30-150		10	20	5.0	TO-5	200
2N396A	30	20	20	20	6	30-150		10	20	5.0	TO-5	200
2N397	30	20	15	15	6	40-150		10	20	10.0	TO-5	200
2N398	105	50	105	105	12	20		5		1.0†	TO-5*	50
2N398A	105	50	105	105	50	20		5		1.0†	TO-5*	150
2N404	25	12	24	12	5	30		12	20	4.0	TO-5	150
2N404A	40	25	35	12	5	30		12	20	4.0	TO-5	150
2N413	30	20	18	12	5	32-300		10		5.5	TO-5	150
2N414	30	20	15	12	5	32-300		10		5.5	TO-5	150
2N426	30	20	10	30	25	30-60		1	20	6.0	TO-5	175
2N427	30	20	15	30	25	40-80		1	20	5.0	TO-5	175
2N428	30	20	12	30	25	60		1	20	10.0	TO-5	175
2N461	45	10	33	45	15	32-100		20		4.0†		200
2N464	45	12	40	20	15	14-26		1		0.7†	TO-5	150

GERMANIUM PNP SMALL SIGNAL TRANSISTORS

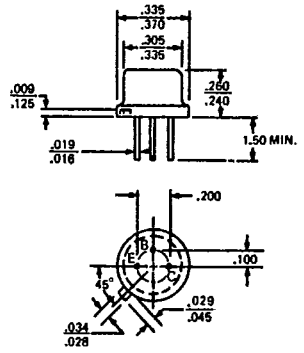
Type	V_{CBO} V Max	V_{EBO} V Max	V_{CE} V Max	I_{CBO} @V_{CB} V	μA Max	h_{FE} Min Max	@I_C mA	Cob pf Max	fab MHZ Min	Outline*	Power Dissipation @25°C MW
2N465	45	12	30	20	15	27-45	1		0.8†	TO-5	150
2N466	35	12	20	20	15	56-90	1		1.0†	TO-5	150
2N467	35	12	15	20	15	112-180	1		1.2†	TO-5	150
2N508	20	10	18	20	6	99-198	20	35	2.5	TO-5	200
2N508A	30	10	25	25	7	100-200	20	35	2.5		200
2N522	15	10	8	15	2	120	1		15.0	TO-5	100
2N524	30	15	30	30	10	25-42	20	40	0.8	TO-5	225
2N525	45	15	30	30	10	34-65	20	40	1.0	TO-5	225
2N526	45	15	30	30	10	53-90	20	40	1.3	TO-5	225
2N527	45	15	30	30	10	72-121	20	40	1.5	TO-5	225
2N580	20	12	15	20	5	30	400	30	10.0	TO-5	120
2N581	18	10	15	15	6	20	20	30	4.0	TO-5	80
2N650	45	30	30	30	10	33	10	25	0.75	TO-5	200
2N651	45	30	30	30	10	45	10	25	1.0	TO-5*	200
2N652	45	30	30	30	10	80	10	25	1.25	TO-5	200
2N653	30	25	25	25	15	20	10	25	1.5†	TO-5	200
2N654	30	25	25	25	15	40	10	25	2.0†	TO-5	200
2N655	30	25	25	25	15	70	10	25	2.5†	TO-5	200
2N658	25	12	16	25	25	25-80	10	12	2.5	TO-5	167
2N659	25	12	14	25	25	40-110	10	12	5.0	TO-5	167
2N660	25	12	11	25	25	60-150	10	12	10.0	TO-5	167
2N661	25	12	9	25	25	75	10	12	15.0	TO-5	167
2N662	25	12	11	25	25	50	10	12	4.0	TO-5	167
2N1057	45	5	45	45	16	34-90	20	60	0.5	R-32	240
2N1097	16	5	18	16	16	34-90	20	35	1.0	TO-5	200
2N1098	18	5	18	16	16	25-90	20	35	1.0	TO-5	200
2N1144	16		16	16	16	34-90	20	40	1.0	R-32	175
2N1145	16		16	16	16	25-90	20	40	1.0	R-32	175
2N1175	35	10	25	30	12	70-140	20	40	1.5	TO-5	200
2N1175A	35	10	25	30	12	70-140	20	40	1.5	TO-5	200
2N1273	15	10	15	15	14	27-165	50			TO-5	250
2N1274	25	10	15	25	14	27-165	50			TO-5	250
2N1303	30	25	25	25	6	20	10	20	3.0	TO-5	150
2N1305	30	25	20	25	6	40-200	10	20	5.0	TO-5	150
2N1307	30	25	15	25	6	60-300	10	20	10.0	TO-5	150
2N1309	30	25	15	25	6	80	10	20	15.0	TO-5	150
2N1370	25	10	25	20	14	45-165	50		2.0	TO-5	225
2N1371	45	10	45	20	14	45-165	50		2.0	TO-5	250
2N1372	25	15	25	20	7	27-105	50		2.0	TO-5	250
2N1373	45	25	45	20	7	27-105	50		2.0	TO-5	250
2N1374	25	15	25	20	7	45-165	50		2.0	TO-5	250
2N1375	45	25	45	20	7	45-165	50		2.0	TO-5	250
2N1376	25	15	25	20	7	67-165	60		2.0	TO-5	250
2N1377	45	25	45	20	7	67-165	50		2.0	TO-5	250
2N1378	12	7	12	12	7	85-330	50		2.0	TO-5	250
2N1379	25	15	25	20	7	85-330	50		2.0	TO-5	250
2N1380	12	7	12	12	14	27-330	50		2.0	TO-5	250
2N1381	25	15	25	20	14	27-330	50		2.0	TO-5	250
2N1382	25	15	25	20	14	40-165	50		2.0	TO-5	250
2N1383	25	15	25	20	14	27-165	50		2.0	TO-5	250
2N1404	25	20		25	5	100	24	8	4.0	TO-5	150
2N1413	35	10	25	30	12	35-42	20	40	0.8	TO-5	200
2N1414	35	10	25	30	12	34-65	20	40	1.0	TO-5	200
2N1415	35	10	25	30	12	53-90	20	40	1.3	TO-5	200
2N1614	70	12	60	70	23	18-43	20	60	0.5	R-32	240
2N1924	60	25	40	45	10	34-65	20	30	1.0	TO-5	225
2N1925	60	25	40	45	10	53-90	20	30	1.3	TO-5	225
2N1926	60	25	40	45	10	72-121	20	30	1.5	TO-5	225
2N1997	45	45	40	45	25	40-200	100	20	3.0	TO-5	250
2N1998	35	30	35	35	25	70-225	100	20	5.6	TO-5	250
2N1999	30	20	20	30	25	100-350	100	20	10.0	TO-5	250
2N2000	50	20	15	30	10	50-300	100	35	2.0	TO-5	300
2N2001	30	20	15	15	6	100	100	35	6.0	TO-5	300
2N2042	105	75	105	105	25	20-50	5	25	0.5	TO-5	200
2N2043	105	75	105	105	25	400-100	5	25	0.75	TO-5	200
2N2374	35	35	35	35	5	100-300	100	14	15.0	TO-5	250
2N2375	35	35	35	35	5	35-110	100	20		TO-5	250
2N2376	35	35	35	35	5	35-110	100	20		TO-5	250

NOTES: *Under Outline indicates TO-5 Isolated †Indicates Typical Value

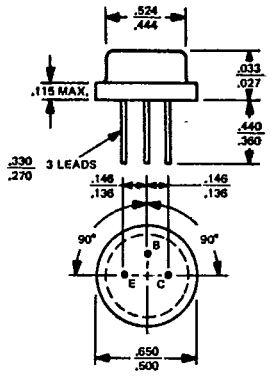
GERMANIUM POWER TRANSISTORS

CASE OUTLINE DRAWINGS & DIMENSIONS

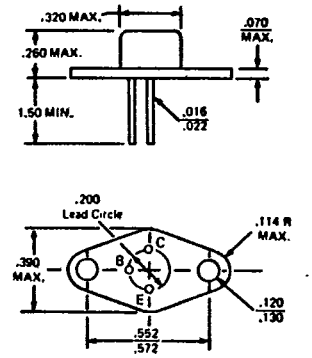
TO-5



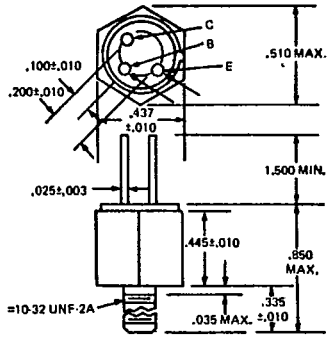
TO-8



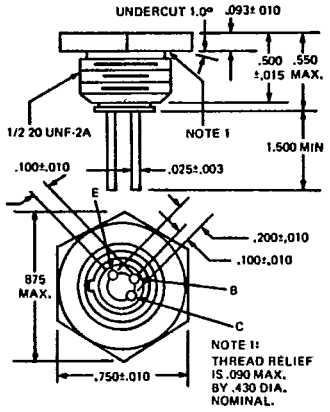
TO-37



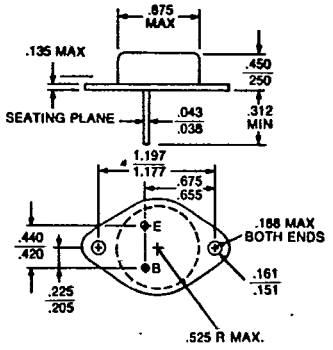
MT-27



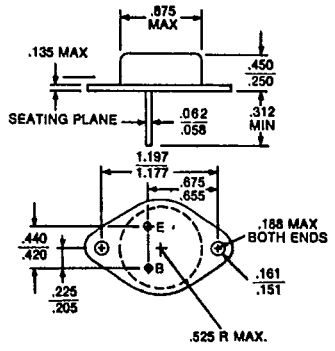
MT-28



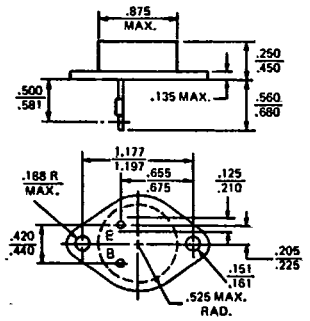
TO-3



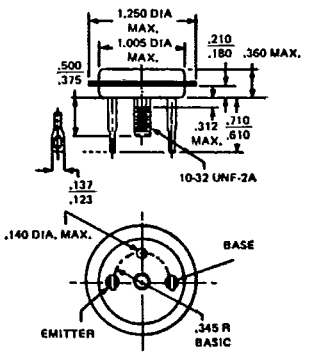
MODIFIED TO-3
(60 mil pins)



TO-41



TO-36

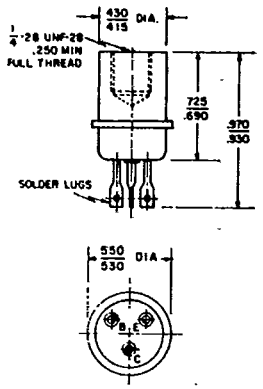


GERMANIUM POWER TRANSISTORS

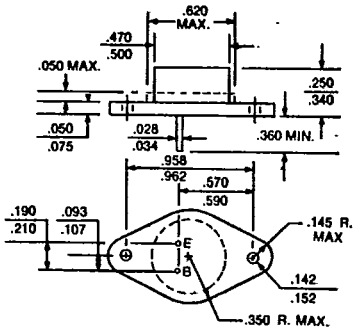
T-91-20

CASE OUTLINE DRAWINGS & DIMENSIONS

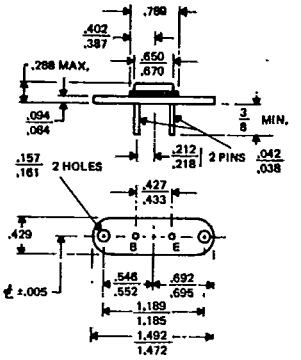
TO-13



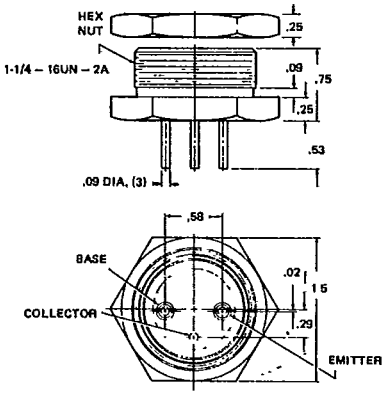
TO-66



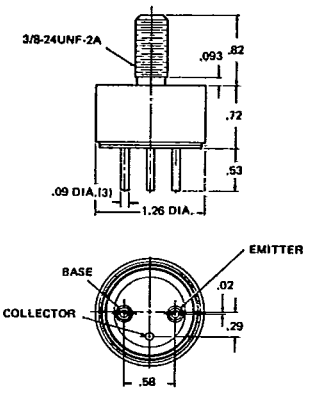
MS-7



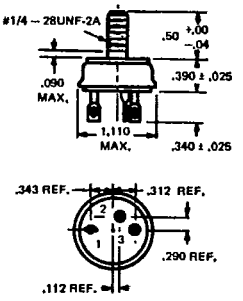
MT-22



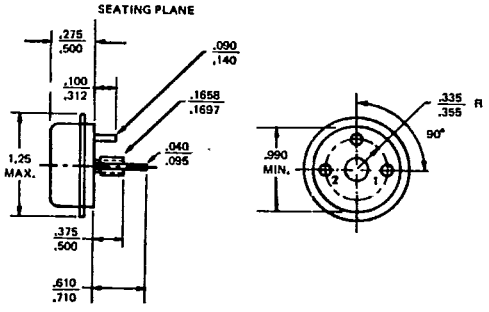
MT-23



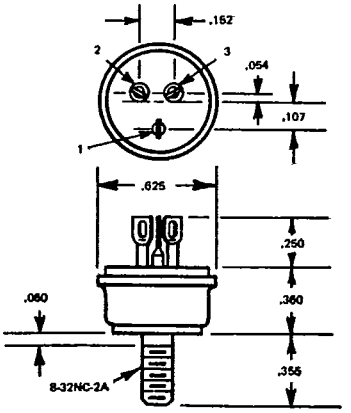
MT-7



TO-68



MT-36



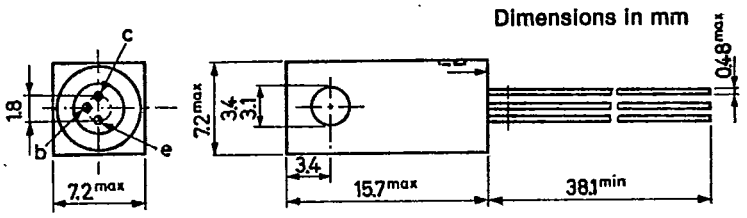
GERMANIUM POWER TRANSISTORS

T-91-20

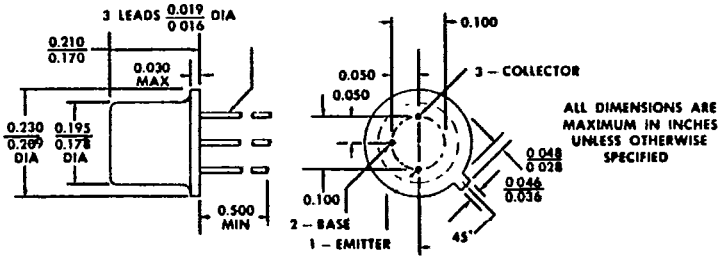
CASE OUTLINE DRAWINGS & DIMENSIONS

NS257

Dimensions in mm



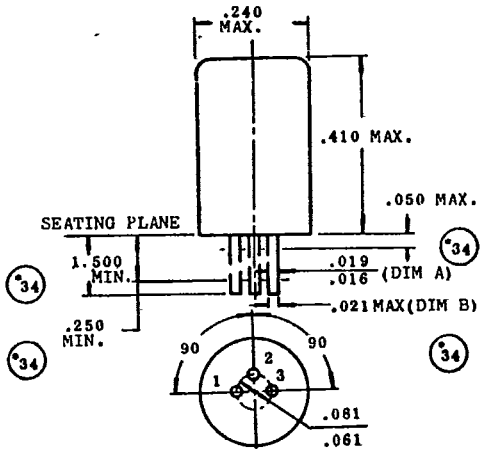
TO-18



THE COLLECTOR IS ELECTRICAL CONTACT WITH THE CASE.

ALL JEDEC TO-18 DIMENSIONS AND NOTES ARE APPLICABLE.

TO-1



GERMANIUM POWER DEVICES CORP.

Shetland Industrial Center, Building 4 · York Street · P.O. Box 3065
Shawsheen Village Station · Andover, Massachusetts 01810
Telephone (508) 475-5982 · Telex 94-7150
FAX (508) 470-1512

Printed in U.S.A.

20