

GERMANIUM SMALL SIGNAL TRANSISTORS

PRO ELECTRON TYPES

Type	Polarity	V_{CB0} V Max	V_{EB0} V Max	V_{CE} V Max		I_{CBO} @ V_{CB} V μA Max	h_{FE} Min Max	@ I_C mA	C_{ob} pf Max	f_{ab} MHZ Min	Pack Outline	Power Dissipation @ 25°C MW
AC107	P	15										
AC116	P	30	12	18		6	8	35-50-140	300 ¹ 20	21 ²	TO-1	80
AC117	P	32	10	18		6	18	40-	150		NS257	145
											NS257	260
AC121-IV	P	20	10	20				30-60	100	40	TO-1	900
AC121-V	P	20	10	20				50-100	100	40	TO-1	900
AC121-VI	P	20	10	20				75-150	100	40	TO-1	900
AC121-VII	P	20	10	20				125-250	100	40	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	TO-1	500
AC126	P	32	10	12		10	10	65-	2	50	TO-1	500
AC127	N	32	10	12		10	10	50-	500	70 ²	TO-1	340
AC128	P	32	10	16		10	10	55-175	50	100	TO-1	1,000
AC128K	P	32	10	16		10	10	55-175	50	100	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	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	TO-1	900
AC152	P	32	10	2Y		0.5	10	30-150	100	40	TO-1	900
AC153	P	32	10	18		10	10	50-250	300	100	TO-1	1,000
AC153K	P	32	10	18		10	10	50-250	300	100	NS257	1,000
AC162	P	32	10	2Y		10	10	100 ²	50	40	TO-1	900
AC163	P	32	10	2Y		10	10	65-	2	40	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	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	TO-1	1,000
AC187K	N	25	10	15		10	35	100-500	300	180	NS257	1,000
AC188	P	25	10	15		10	15	100-500	300	110	TO-1	1,000
AC188K	P	25	10	15		10	15	100-500	300	100	NS257	1,000
AC193	P	32	10	15		10	15	90-400	400	40 ²	TO-1	220
AC193K	P	32	10	15		10	15	90-400	400	40 ²	TO-1	260
AC194	N	32	10	15		10	35	90-400	400	80 ²	TO-1	220
AC194K	N	32	10	15		10	35	90-400	400	80 ²	TO-1	260
ACY11	P	32	16	30		5	12	38-	10	35	TO-1	150
ACY14	P	32	16	30		5	12	54-	10	35	TO-1	150
ACY17		70	12	32		6	10	50-150	300	40	TO-5	200
ACY18		50	12	30		6	10	40-120	300	40	TO-5	200
ACY19		50	12	30		6	10	80-250	300	40	TO-5	200
ACY20		40	12	20		6	10	50-145	50	40	TO-5	200
ACY21		40	12	20		6	10	90-250	50	40	TO-5	200
ACY22		20	12	15		6	10	30-300	300	40	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	1.0 ²	TO-1	200
ACY28	P	40	30	15		30	12	45-150	1 ¹	40	TO-1	200
ACY29	P	40	30	15		30	12	45-150	1 ¹	40	TO-1	200
ACY30	P	40	40	20		30	12	60-200	1 ¹	40	TO-1	200
ACY31	P	40	20			12	5	35-70	1 ¹	40	TO-1	200
ACY32	P	32	16	30		10	10	50-150	1 ¹	27 ²	TO-1	900

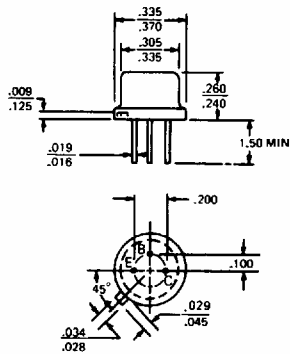
¹hfe

²typical

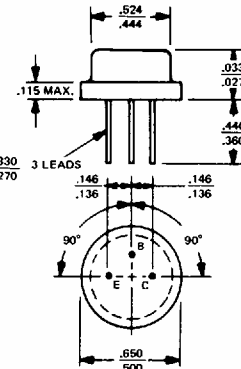
GERMANIUM POWER TRANSISTORS

CASE OUTLINE DRAWINGS & DIMENSIONS

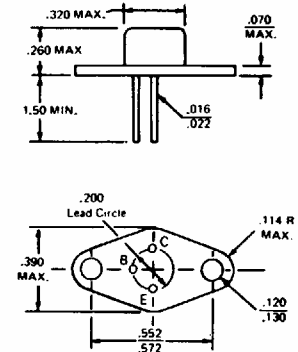
T0-5



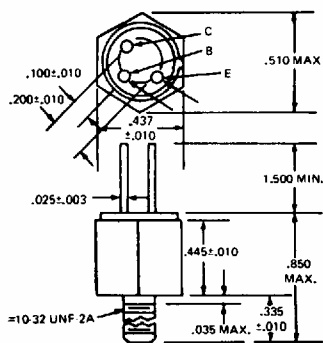
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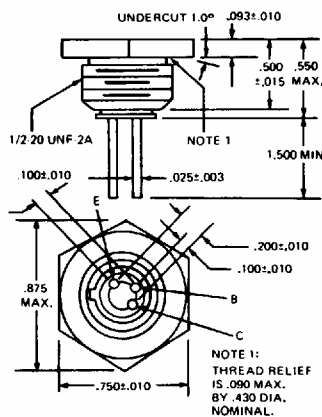
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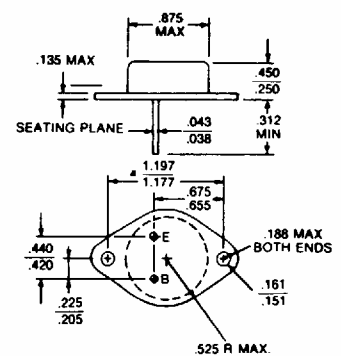
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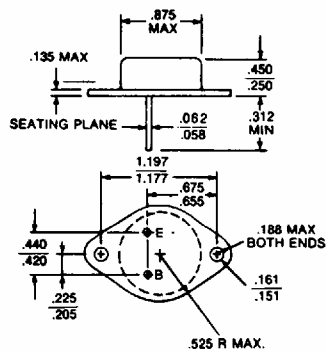
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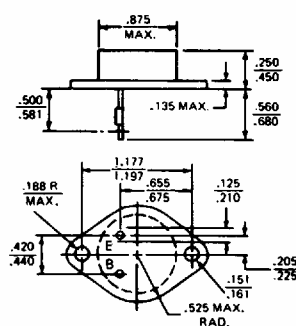
T0-3



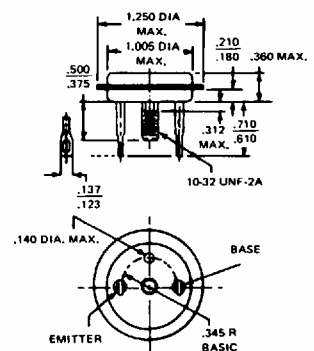
MODIFIED T0-3
(60 mil pins)



T0-41



T0-36



CASE OUTLINE DRAWINGS & DIMENSIONS

Technical drawing of the 28-100 tube. The side view shows a cylindrical body with a threaded top section. Dimensions include a top diameter of 430, a base diameter of 415, a threaded section length of 250 MIN, and a full thread length of 28 UNF-28. The main body height is 725, with a base height of 690. The distance from the base to the top of the threaded section is 970, and the total height is 930. The bottom view shows a circular base with a diameter of 550 and a central hole of 530. There are four mounting holes labeled A, B, C, and D, and a central hole labeled E.

[illegible]

Technical drawing showing two views of a component. The top view is a side view of a hex nut and a base assembly. The bottom view is a top-down view of the base assembly.

Top View (Side View):

- Component: HEX NUT
- Thread: 1-1/4 - 16UN - 2A
- Dimensions:
 - Top flange thickness: .25
 - Threaded section length: .09
 - Bottom flange thickness: .26
 - Overall height: .75
 - Base diameter: .53
 - Base hole diameter: .09 DIA. (3)

Bottom View (Top-Down View):

- Component: BASE
- Dimensions:
 - Overall diameter: .58
 - Central hole diameter: .02
 - Distance from center to collector holes: .29
 - Overall height: 1.5
- Labels: COLLECTOR, EMITTER

The drawing includes two views of the 2N4350A transistor:

- Side View (Top):** Shows the physical dimensions of the component. The mounting tab has a thread specification of 3/8-24UNF-2A. The total height is .82 inches. The distance from the base of the mounting tab to the top of the main body is .093 inches. The main body height is .72 inches. The distance from the base of the main body to the top of the leads is .53 inches. The lead diameter is .09 inches (labeled as .09 DIA. (3)). The lead spacing is 1.26 inches (labeled as 1.26 DIA.).
- Top View (Bottom):** Shows the circular base with three leads. The leads are labeled: BASE, COLLECTOR, and EMITTER. The distance from the center to the emitter lead is .02 inches. The distance from the center to the collector lead is .29 inches. The base diameter is .60 inches.

#1/4 - 28UNF-2A

.50

.100

.04

.390 ± .025

.110

.340 ± .025

.343 REF.

.312 REF.

.290 REF.

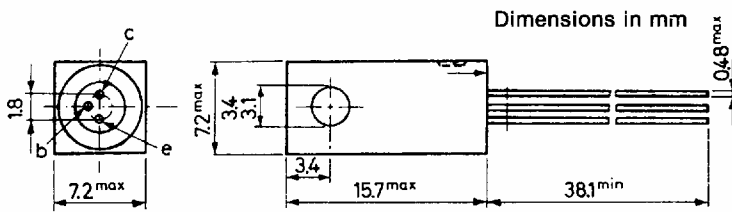
.112 REF.

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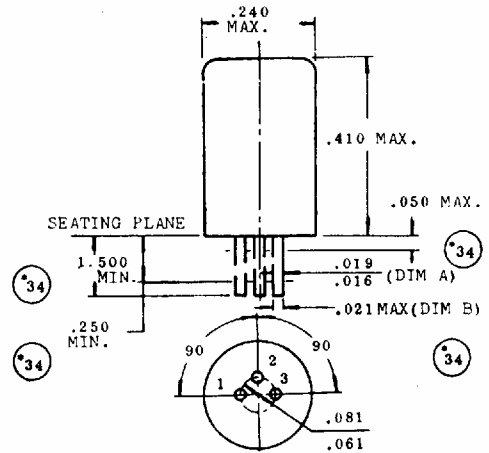
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CASE OUTLINE DRAWINGS & DIMENSIONS

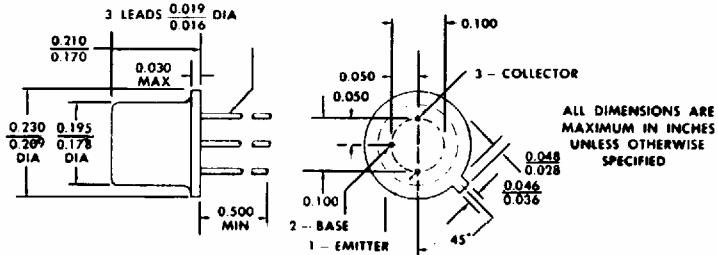
NS257



TO-1



TO-18



THE COLLECTOR IS ELECTRICAL CONTACT WITH THE CASE.

ALL JEDEC TO-18 DIMENSIONS AND NOTES ARE APPLICABLE.



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