

GERMANIUM POWER TRANSISTORS

PRO ELECTRON TYPES

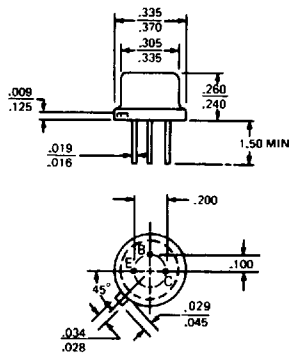
Type Number	V_{CBO} V max	V_{CEO} V max	V_{EBO} V max	I_C A max	CURRENT GAIN at			f_T MHz	$R_{\theta j-c}$ °C/W max	Outlines	NOTES
					h_{FE} min-max	V_{CE} V	I_C A				
AD130	32	30	10	3	20-40	1	1	0.35	1.5	127	AD130—III
AD131	32	30	10	3	30-60	1	1	0.35	1.5	127	—IV
	32	30	10	3	50-100	1	1	0.35	1.5	127	—V
	64	45	20	3	20-40	1	1	0.35	1.5	127	AD131—III
	64	45	20	3	30-60	1	1	0.35	1.5	127	—IV
	64	45	20	3	50-100	1	1	0.35	1.5	127	—V
AD132	80	60	20	3	30-60	1	1	0.35	1.5	127	AD132—IV
AD133	80	60	20	3	50-100	1	1	0.35	1.5	127	—V
	50	32	10	15	20-40	0.5	5	0.3	1.5	128	AD133—III
	50	32	10	15	30-60	0.5	5	0.3	1.5	128	—IV
	50	32	10	15	50-100	0.5	5	0.3	1.5	128	—V
AD136	40	22	10	10	30-60	0.5	5	0.3	5	129	AD136—IV
AD140	40	22	10	10	50-100	0.5	5	0.3	5	129	—V
	40	22	10	10	75-150	0.5	5	0.3	5	129	—VI
	55	55		3	30-100	1	1		1.5	127	
AD142	80	50		10	30-200	2	1	0.45	1.5	127	AD148—IV
AD143	40	35	10	10	30-200	2	1	0.45	1.5	127	
AD148	32	26	10	3.5	30-60	1	1	0.45	4	127	
	32	26	10	3.5	50-100	1	1	0.45	4	127	
AD149	50	30	20	3.5	30-60	1	1	0.3	2	127	
	50	30	20	3.5	50-100	1	1	0.3	2	127	AD149—IV
AD150	32	30	10	3.5	30-60	1	1	0.45	2	127	AD150—IV
AD163	32	30	10	3.5	50-100	1	1	0.45	2	127	—V
	100	80	20	3	12.5-25	1	1	0.35	1.5	127	AD163—II
	100	80	20	3	20-40	1	1	0.35	1.5	127	—III
	100	80	20	3	30-60	1	1	0.35	1.5	127	—IV
ADY10	32	30	16		40-70	0.3	0.05	0.35	5	129	
ADY11	60	45	16	0.6	30-50	0.3	0.05	0.35	5	129	
ADY12	32	30	16	0.6	60-100	0.3	0.05	0.35	5	129	
ADY13	60	45	16	0.6	40-70	0.3	0.05	0.35	5	129	
ADY20	60	45	16	0.6	60-100	0.3	0.05	0.35	5	129	ADY27—IV
ADY26	80	60	40	25	15	0	25	0.1	0.8	131	
ADY27	32	30	10	3.5	30-60	1	1	0.45	2	127	
	32	30	10	3.5	50-100	1	1	0.45	2	127	
ADZ11	50	40	30	20	40-120	0	1.2		0.8	131	
ADZ12	80	60	50	20	40-120	0	1.2		0.8	131	
AL100	130	60	2	10	40-250	2.0	1.0	4.0	1.5	127	
AL102	130	60	2	6	40-250	2.0	1.0	4.0	1.5	127	
AL103	100	40	1.5	6	40-250	2.0	1.0	3.0	1.5	127	
ASZ15	100	40								127	
	100	60	40	8	20-55	1	1	0.2		127	
ASZ16	60	32	20	8	45-130	1	1	0.25		127	
ASZ17	60	32	20	8	25-75	1	1	0.22		127	
ASZ18	100	32	40	8	30-110	1	1	0.22		127	
ASZ1015	80	60	40	6	15-30	1	6	0.2	2	127	
ASZ1016	60	32	20	6	35-80	1	6	0.25	2	127	
ASZ1017	60	32	20	6	20-45	1	6	0.22	2	127	
ASZ1018	80	32	40	6	20-65	1	6	0.22	2	127	
AU106	320		2	10	15-80	1.3	6.0	2.0	1.5	127	
AU107	200		2	10	35-120	2.0	0.7	2.0	1.5	127	
AU108	100		2	10	35-200	2.0	0.7		1.5	127	
AU110	160		2	10	20-90	2.0	1.0		1.5	127	—IV
AU111	320		2	10	15-80	1.3	6.0	2.0	1.5	127	
AU112	320		2	10	15-40	1.3	6.0	2.0	1.5	127	
AU113	250		2	10	15-80	1.3	6.0		1.5	127	
AUY18	64	45	20	8	30-60	0.5	5	0.3	5	129	
	64	45	20	8	50-100	0.5	5	0.3	5	129	
AUY19	64	45	20	3	20-40	1	1	0.35	1.5	127	—III
AUY20	64	45	20	3	30-60	1	1	0.35	1.5	127	—IV
	64	45	20	3	50-100	1	1	0.35	1.5	127	—V
	80	60	20	3	20-40	1	1	0.35	1.5	127	—III
AUY21	80	60	20	3	30-60	1	1	0.35	1.5	127	—IV
	80	60	20	3	50-100	1	1	0.35	1.5	127	—V
	65	45	20	10	12.5-25	0.5	5	0.3	1.5	128	—II
AUY21	65	45	20	10	20-40	0.5	5	0.3	1.5	128	—III
	65	45	20	10	30-60	0.5	5	0.3	1.5	128	—IV

Outline numbers refer to Pro-Electron designations.

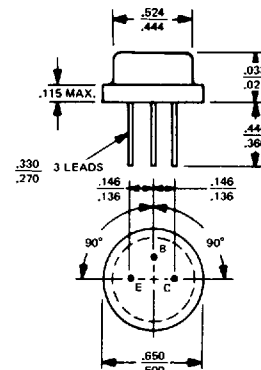
GERMANIUM POWER TRANSISTORS

CASE OUTLINE DRAWINGS & DIMENSIONS

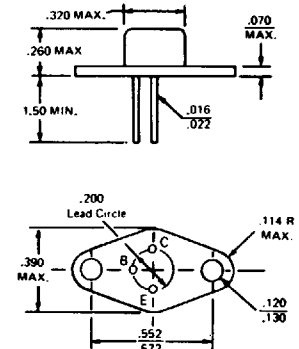
TO-5



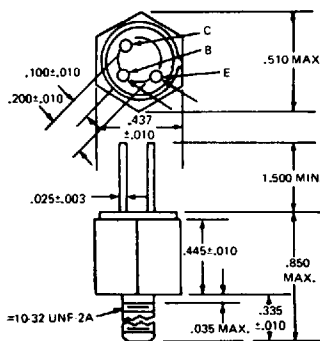
TO-8



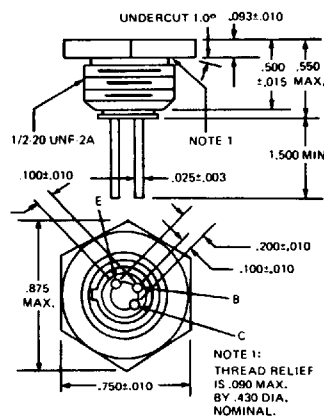
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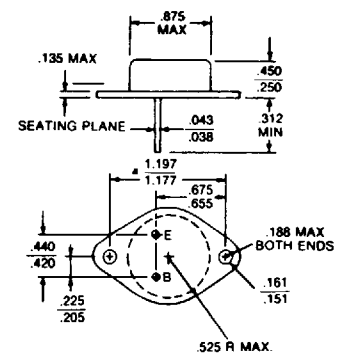
MT-27



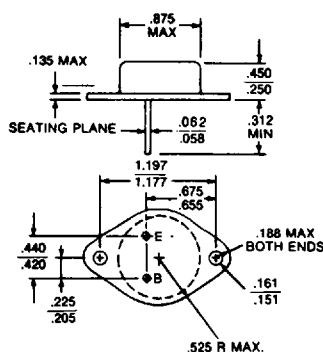
MT-28



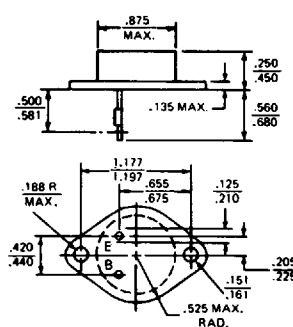
TO-3



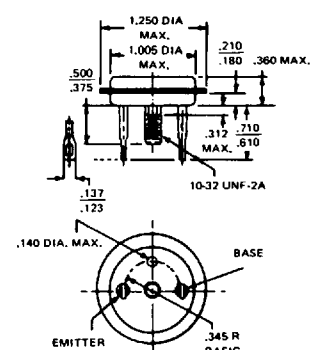
MODIFIED TO-3
(60 mil pins)



TO-41



TO-36



CASE OUTLINE DRAWINGS & DIMENSIONS

[illegible]

Technical drawing of a mechanical part, likely a bracket or base plate, showing top and side views with dimensions in inches.

Top View Dimensions:

- Overall width: 6.20 MAX
- Slot width: .570
- Slot depth: .360 MIN
- Slot position from left edge: .470, .500
- Slot position from right edge: .250, .340
- Slot width at bottom: .028, .034
- Slot width at top: .050 MAX
- Slot width at bottom center: .050, .075
- Slot width at bottom right: .190, .210, .093, .107
- Slot width at bottom left: .145 R MAX
- Slot width at bottom right: .142, .152
- Slot width at bottom center: .350 R MAX

Side View Dimensions:

- Overall height: .958
- Slot depth: .962
- Slot width: .570
- Slot width at bottom: .590

[illegible]

Technical drawing of the 1N4148 diode showing side and top views with dimensions.

Side View Dimensions:

- Top flange thickness: .25
- Threaded section length: .09
- Bottom flange thickness: .25
- Lead length: .53
- Lead diameter: .09 DIA. (3)
- Thread specification: 1-1/4 - 16UN - 2A
- Component: HEX NUT

Top View Dimensions:

- Hexagonal base width: .58
- Base thickness: .02
- Collector diameter: .29
- Emitter diameter: .29
- Base to collector/emitter distance: 1.5
- Labels: BASE, COLLECTOR, EMITTER

The drawing shows a 2N4350 JFET with the following dimensions:

- Side View Dimensions:**
 - Gate lead thread: 3/8-24UNF-2A
 - Gate lead diameter: .093
 - Gate lead height: .82
 - Drain lead diameter: .09 DIA. (3)
 - Drain lead height: .72
 - Source lead diameter: 1.26 DIA.
 - Source lead height: .53
- Top View Dimensions:**
 - Emitter diameter: .02
 - Collector diameter: .29
 - Base diameter: .58

#1/4 - 28UNF-2A

1.00

.50

.04

.390 ± .025

.090 MAX.

1.110 MAX.

.343 REF.

.312 REF.

.290 REF.

.112 REF.

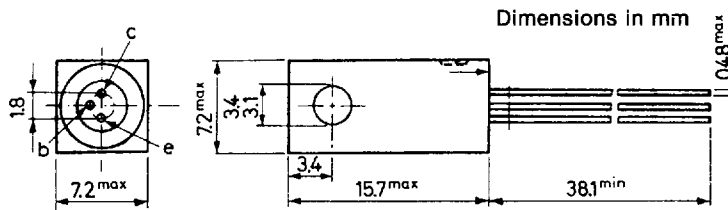
1 2 3 4

Technical drawing of the 8-32NC-2A plug gage. The drawing shows a top view and a side view. The top view is a circle with a diameter of .152. It has two threaded holes, each with a diameter of .054 and a depth of .107. The side view shows a plug with a diameter of .060 and a length of .250. The plug is labeled '8-32NC-2A'.

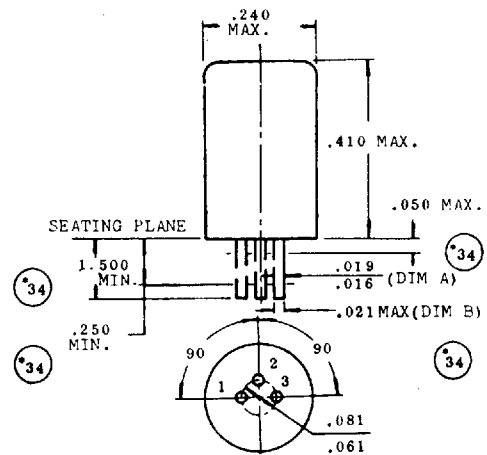
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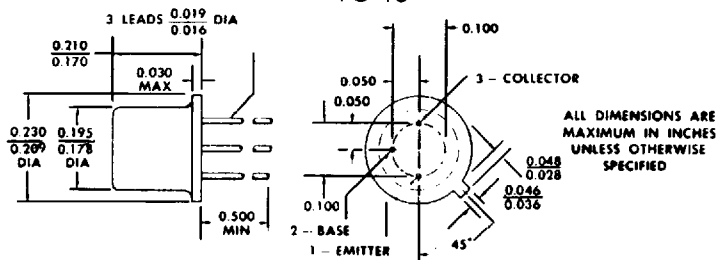
NS257



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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