

GERMANIUM POWER TRANSISTORS

PRO ELECTRON TYPES

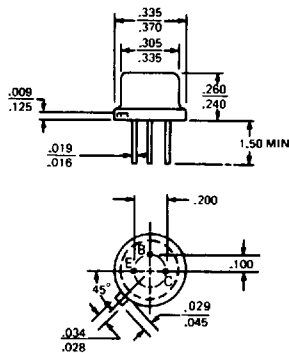
Type Number	V_{CB0} V max	V_{CE0} V max	V_{EB0} V max	I_C A max	CURRENT GAIN at			f_r MHz	$R_{\theta j-case}$ °C/W max	Outlines	NOTES
					h_{FE} min-max	V_{CE} V	I_C A				
AD130	32	30	10	3	20-40	1	1	0.35	1.5	127	AD130—III
	32	30	10	3	30-60	1	1	0.35	1.5	127	—IV
	32	30	10	3	50-100	1	1	0.35	1.5	127	—V
AD131	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
	80	60	20	3	50-100	1	1	0.35	1.5	127	—V
AD133	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
	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
AD140	55	55		3	30-100	1	1		1.5	127	
AD142	80	50		10	30-200	2	1	0.45	1.5	127	
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	AD148—IV
	32	26	10	3.5	50-100	1	1	0.45	4	127	—V
AD149	50	30	20	3.5	30-60	1	1	0.3	2	127	AD149—IV
	50	30	20	3.5	50-100	1	1	0.3	2	127	—V
AD150	32	30	10	3.5	30-60	1	1	0.45	2	127	AD150—IV
	32	30	10	3.5	50-100	1	1	0.45	2	127	—V
AD163	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	
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	ADY27—IV
	32	30	10	3.5	50-100	1	1	0.45	2	127	—V
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	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	
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	—IV
	64	45	20	8	50-100	0.5	5	0.3	5	129	—V
AUY19	64	45	20	3	20-40	1	1	0.35	1.5	127	—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
AUY20	80	60	20	3	20-40	1	1	0.35	1.5	127	—III
	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
AUY21	65	45	20	10	12.5-25	0.5	5	0.3	1.5	128	—II
	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.

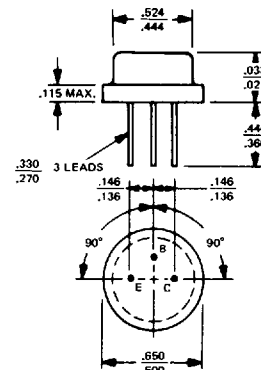
GERMANIUM POWER TRANSISTORS

CASE OUTLINE DRAWINGS & DIMENSIONS

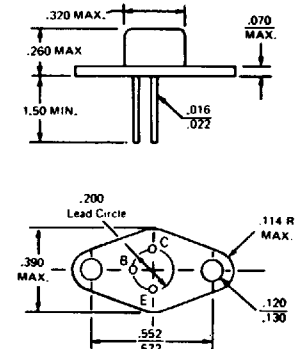
TO-5



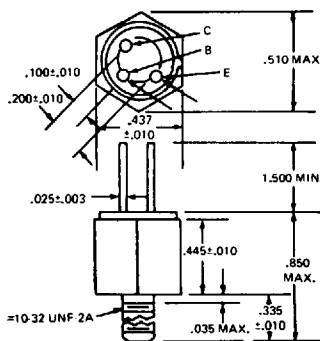
TO-8



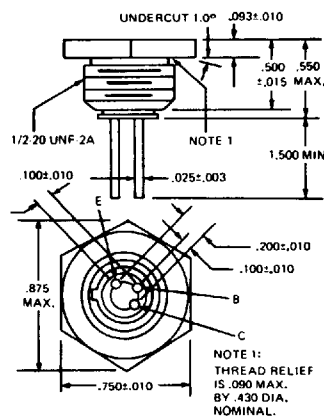
TO-37



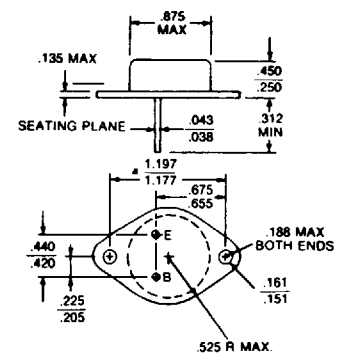
MT-27



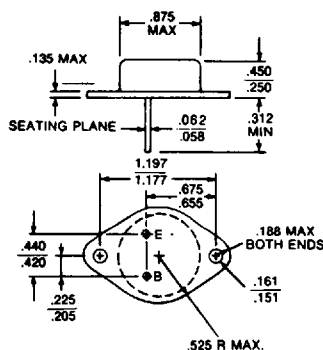
MT-28



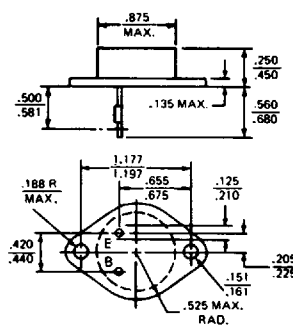
TO-3



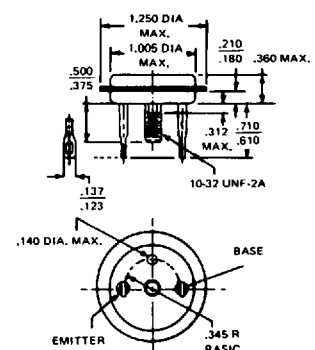
MODIFIED TO-3
(60 mil pins)



TO-41



TO-36



CASE OUTLINE DRAWINGS & DIMENSIONS

Technical drawing of a 28-pin DIP package. The top view shows a circular package with a diameter of 550 (530) and four mounting holes labeled A, B, C, and D. The side view shows a package with a maximum height of 970 (930), a body diameter of 430 (415), and a mounting tab diameter of 725 (690). The package is labeled with "1 28 UNF-28 250 WIP FULL THREAD" and "SOLDER LUGS".

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 (top), .500 (bottom).
- Slot position from right edge: .250 (top), .340 (bottom).
- Slot width at bottom: .028 (top), .034 (bottom).
- Slot width at bottom (center): .958.
- Slot width at bottom (right): .590.
- Slot width at bottom (right): .145 R MAX.
- Slot width at bottom (right): .142.
- Slot width at bottom (right): .152.
- Slot width at bottom (right): .350 R MAX.
- Slot width at bottom (right): .190.
- Slot width at bottom (right): .210.
- Slot width at bottom (right): .093.
- Slot width at bottom (right): .107.

Side View Dimensions:

- Overall height: .050 MAX.
- Slot depth: .050.
- Slot depth: .075.

Technical drawing of a mechanical part with dimensions and labels:

- Top dimensions: .789, .402, .387, .650, .670
- Left side dimensions: .288 MAX., .094, .084
- Right side dimensions: 3/8 MIN., .212, .218, 2 PINS, .042, .038
- Bottom dimensions: .157, .161, 2 HOLES, .427, .433, .429, .546, .552, .692, .695, 1.189, 1.185, 1.492, 1.472
- Other labels: .005, .005

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

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

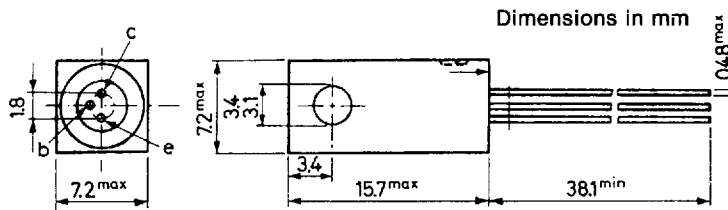
Technical drawing of a 28UNF-2A threaded plug. The drawing shows a side view and a top view. The side view includes dimensions: .090 MAX. for the thread length, .50 for the body length, .100 for the total height, .04 for the top flange thickness, .390 ± .025 for the body diameter, .340 ± .025 for the bottom diameter, and 1.110 MAX. for the total length. The top view shows a circular cross-section with four holes labeled 1, 2, 3, and 4. The hole diameters are: .343 REF. for holes 1 and 2, .312 REF. for holes 3 and 4, .290 REF. for the central hole, and .112 REF. for the outer diameter.

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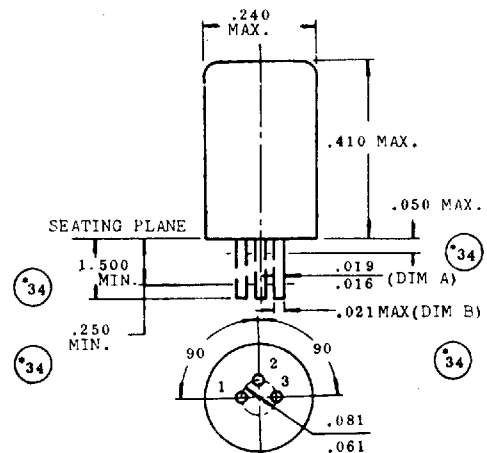
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CASE OUTLINE DRAWINGS & DIMENSIONS

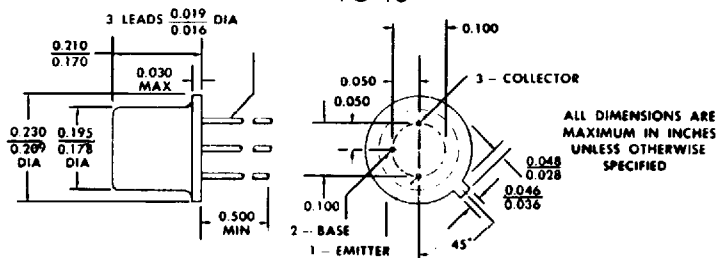
NS257



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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