

GERMANIUM POWER TRANSISTORS

PRO ELECTRON TYPES

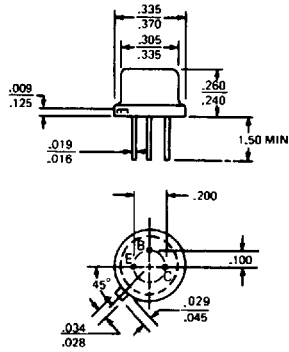
Type Number	V_{CB0} V max	V_{CE0} V max	V_{EB0} V max	I_C A max	CURRENT GAIN at			f_r MHz	$R_{\theta j-case}$ °C/W max	Outlines	NOTES
					h_{FE} min-max	V_{CE} V	I_C A				
AD130	32	30	10	3	20-40	1	1	0.35	1.5	127	AD130—III
	32	30	10	3	30-60	1	1	0.35	1.5	127	—IV
	32	30	10	3	50-100	1	1	0.35	1.5	127	—V
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.

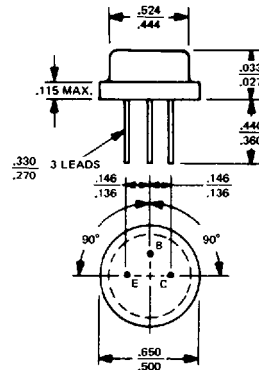
GERMANIUM POWER TRANSISTORS

CASE OUTLINE DRAWINGS & DIMENSIONS

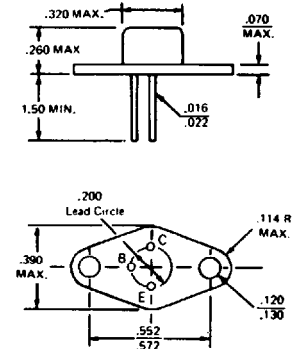
TO-5



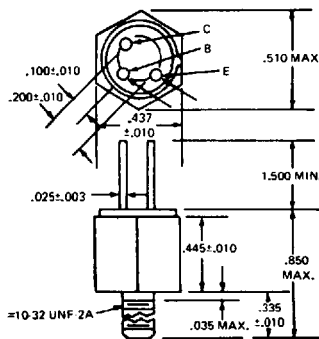
TO-8



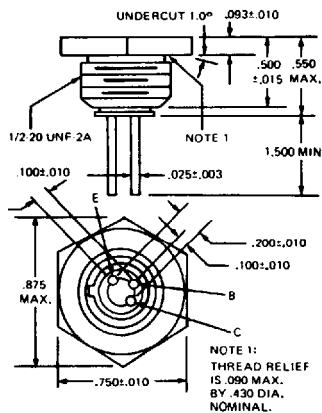
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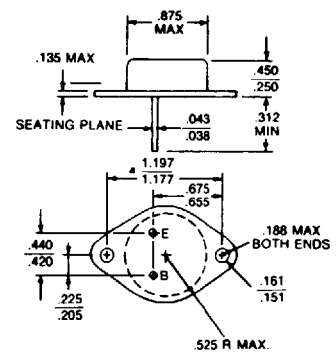
MT-27



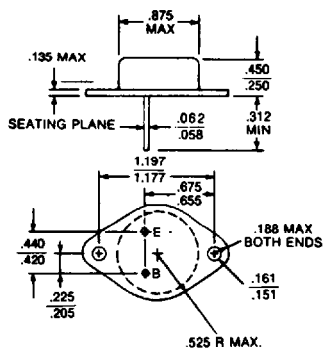
MT-28



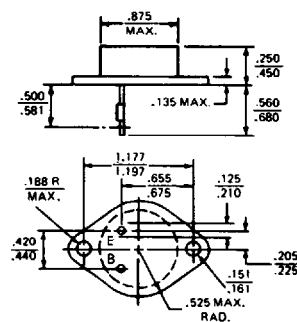
TO-3



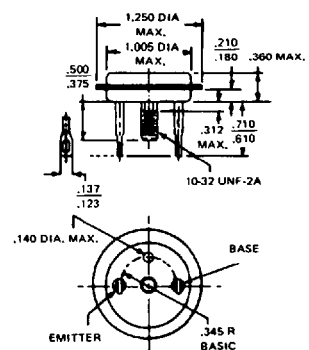
MODIFIED TO-3
(60 mil pins)



TO-41



TO-36



CASE OUTLINE DRAWINGS & DIMENSIONS

Technical drawing of the 6X4 vacuum tube. The side view shows a cylindrical body with a threaded top section. Dimensions include a top diameter of 430 (outer) and 415 (inner), a top thread of 1/4-28 UNF-2B with a 250 MIN FULL THREAD, a main body diameter of 725 (outer) and 690 (inner), and a base diameter of 970 (outer) and 930 (inner). Two solder lugs are shown at the base. The top view shows a circular base with four mounting holes labeled A, B, C, and D, and a central pin labeled E. Dimensions for the top view include an outer diameter of 550 and an inner diameter of 530.

[illegible]

Technical drawing of a 2N3638 PNP transistor. The top view shows a hexagonal base with a central circular area labeled "BASE" and two circular areas labeled "COLLECTOR" and "EMITTER". The side view shows the transistor's profile with dimensions: .25 (height of the top flange), .09 (height of the central body), .25 (height of the bottom flange), .53 (total height), and .09 DIA. (3) (diameter of the base pins). The top view also shows a dimension of .58 (width of the base) and .15 (width of the emitter area). The base is labeled "HEX NUT" and the base pins are labeled "1-1/4 - 16UN - 2A".

3/8-24UNF-2A

.093

.82

.72

.53

.09 DIA. (3)

1.26 DIA.

EMITTER

BASE

COLLECTOR

.02

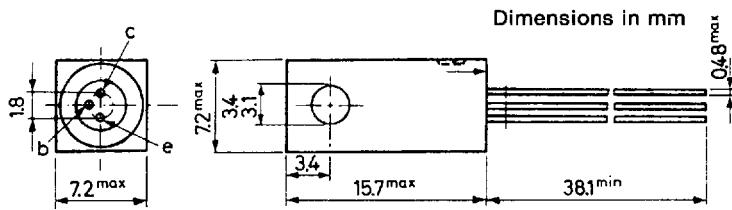
.29

Technical drawing of the 8-32NC-2A connector. The top view shows a circular component with a diameter of .152. It features two circular features (labeled 2 and 3) with a diameter of .054, and a central feature (labeled 1) with a diameter of .107. The side view shows a component with a width of .625 and a height of .250. The base of the component has a diameter of .060 and a height of .360. The bottom view shows a threaded section with a diameter of .356 and a label '8-32NC-2A'.

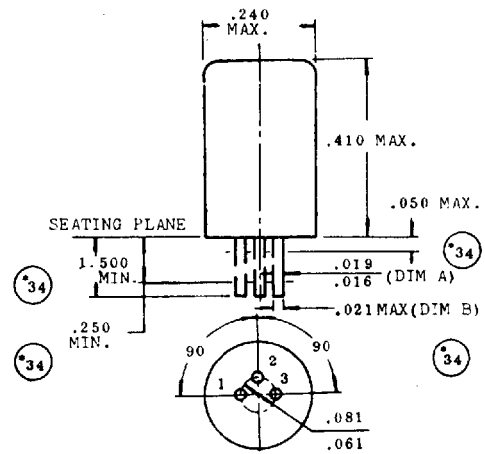
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CASE OUTLINE DRAWINGS & DIMENSIONS

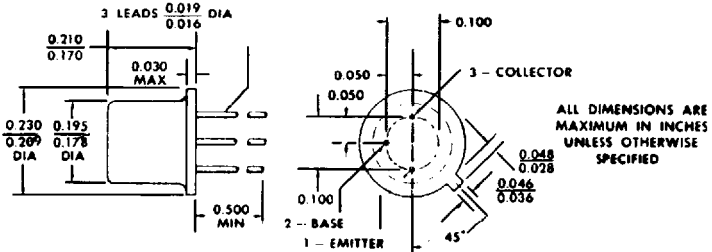
NS257



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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