

GERMANIUM POWER TRANSISTORS

Type Number	Case Type	V_{CBO} V	V_{CEO} V	V_{EBO} V	V_{CER} V	V_{CES} V	CURRENT GAIN			SATURATION VOLTAGES					θ_{J-C} °C/W
							h_{FE} Min.	h_{FE} Max.	$V_{CE} @ I_C$ V A	$V_{CE(1)}$ V	$V_{BE(1)}$ V	$I_C @ I_B$ A A	$I_C @ I_B$ A A	$I_C @ I_B$ A A	

4 AMP GERMANIUM PNP

2N234A	TO-3	25			25		25		2.0						
2N235B	TO-3	25		15.0	35		34	40	2.0						
2N255A	TO-3	15		15.0	15		25		2.0						
2N256A	TO-3	30		15.0	25		25		2.0						
2N257	TO-3	40		6.0			20		2.0						
2N553	TO-3	80		40.0			40	80	2.0	.5	.90		.3	.220	2.00
2N663	TO-3	50	25	20.0			25	75	2.0	.5	1.00	1.50	.3	.600	1.20
2N1159	TO-3	80	60	20.0			30	75	2.0	3.0	.07		3.0	.200	1.20

5 AMP GERMANIUM PNP

2N350	TO-3	50		10.0		30	20	60	2.0	.7	.40		3.0	.300	.80
2N350A	TO-3	50		25.0		40	20	60	2.0	.7	1.75		3.0	.300	.80
2N351	TO-3	50		10.0		30	25	90	2.0	.7	.40		3.0	.300	.80
2N351A	TO-3	50		25.0		40	25	90	2.0	.7	1.75		4.0	.400	.80
2N376	TO-3	50		10.0		30	35	120	2.0	.7	.40		3.0	.300	.80
2N376A	TO-3	50		25.0		40	35	120	2.0	.7	1.75		5.0	.500	.80
2N665	TO-3	80		40.0			40	80	2.0	.5	.90		.3	.200	1.00
2N669	TO-3	40		20.0		30	75	250	2.0	.5				.80	
2N1011	TO-3	80	40	40.0		80	30	75	2.0	3.0	.15		3.0	.300	2.00
2N1168	TO-3	50		20.0		30	70	110	2.0	1.0	.25		3.0	.100	1.50
2N1529	TO-3	40	20	20.0		30	20	40	2.0	3.0	1.50		3.0	.300	1.20
2N1529A	TO-3	40	20	20.0		30	20	40	2.0	3.0	1.50		3.0	.300	.80
2N1530	TO-3	60	30	30.0		45	20	40	2.0	3.0	1.50		3.0	.300	.80
2N1530A	TO-3	60	30	30.0		45	.20	40	2.0	3.0	1.50		3.0	.300	.80
2N1531	TO-3	80	40	40.0		60	20	40	2.0	3.0	1.50		3.0	.300	.80
2N1531A	TO-3	80		40.0		60	20	40	2.0	3.0	1.50		3.0	.300	.80
2N1532	TO-3	100	50	50.0		75	20	40	2.0	3.0	1.50		3.0	.300	.80
2N1532A	TO-3	100		50.0		75	20	40	2.0	3.0	1.50		3.0	.300	.80
2N1533	TO-3	120	60	60.0		90	20	40	2.0	3.0	1.50		3.0	.300	.80
2N1534	TO-3	40	20	20.0		30	35	70	2.0	3.0	1.20		3.0	.300	.80
2N1534A	TO-3	40		20.0		30	35	70	2.0	3.0	1.20		3.0	.300	.80
2N1535	TO-3	60	30	30.0		45	35	70	2.0	3.0	1.20		3.0	.300	.80
2N1535A	TO-3	60		30.0		45	35	70	2.0	3.0	1.20		3.0	.300	.80
2N1536	TO-3	80	40	40.0		60	35	70	2.0	3.0	1.20		3.0	.300	.80
2N1536A	TO-3	80		40.0		60	35	70	2.0	3.0	1.20		3.0	.300	.80
2N1537	TO-3	100	50	50.0		75	35	70	2.0	3.0	1.20		3.0	.300	.80
2N1537A	TO-3	100		50.0		75	35	70	2.0	3.0	1.20		3.0	.300	.80
2N1538	TO-3	120	60	60.0		90	35	70	2.0	3.0	1.20		3.0	.300	.80
2N1539	TO-3	40	20	20.0		30	50	100	2.0	3.0	.30		3.0	.300	.80
2N1539A	TO-3	40		20.0		30	50	100	2.0	3.0	.30		3.0	.300	.80
2N1540	TO-3	60	30	30.0		45	50	100	2.0	3.0	.30		3.0	.300	.80
2N1540A	TO-3	60		30.0		45	50	100	2.0	3.0	.30		3.0	.300	.80
2N1541	TO-3	80	40	40.0		60	50	100	2.0	3.0	.30		3.0	.300	.80
2N1541A	TO-3	80		40.0		60	50	100	2.0	3.0	.30		3.0	.300	.80
2N1542	TO-3	100	50	50.0		75	50	100	2.0	3.0	.30		3.0	.300	.80
2N1542A	TO-3	100		50.0		75	50	100	2.0	3.0	.30		3.0	.300	.80
2N1543	TO-3	120	60	60.0		90	50	100	2.0	3.0	.30		3.0	.300	.80
2N1543A	TO-3	120		60.0			50	100	2.0	3.0	.30		3.0	.300	.80
2N1544	TO-3	40	20	20.0		30	75	150	2.0	3.0	.20		3.0	.300	.80
2N1544A	TO-3	40	20	20.0		30	75	150	2.0	3.0	.20		3.0	.300	.80
2N1545	TO-3	60	30	30.0		45	75	150	2.0	3.0	.20		3.0	.300	.80
2N1545A	TO-3	60	30	30.0		45	75	150	2.0	3.0	.20		3.0	.300	.80
2N1546	TO-3	80	40	40.0		60	75	150	2.0	3.0	.20		3.0	.300	.80
2N1546A	TO-3	80	40	40.0		60	75	150	2.0	3.0	.20		3.0	.300	.80
2N1547	TO-3	100	50	50.0		75	75	150	2.0	3.0	.20		3.0	.300	.80
2N1547A	TO-3	100	50	50.0		75	75	150	2.0	3.0	.20		3.0	.300	.80
2N1548	TO-3	120	60	60.0		90	75	150	2.0	3.0	.20		3.0	.300	.80
2N1971	TO-3	80		40.0			25	60	2.0	.5					2.00
2N2266	MT-36	80	55				25	75	2.0	5.0	.75		5.0	.667	1.20
2N2267	MT-36	100	55				25	75	2.0	5.0	.75	5.50	5.0	.667	1.20

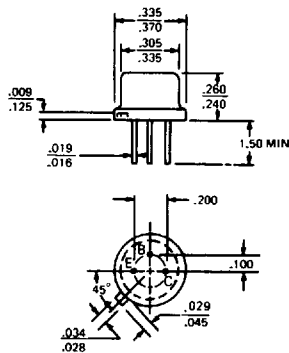
6 AMP GERMANIUM PNP

2N1136	TO-3	60		15.0	35		50	100	5.0	3.0	1.0		3.0	.300	1.20
2N1136A	TO-3	90		15.0	65		50	100	5.0	3.0	1.0		3.0	.300	1.20
2N1136B	TO-3	100		15.0	75		50	100	5.0	3.0	1.0		3.0	.300	1.20
2N1137	TO-3	60	25	15.0	35		75	150	5.0	3.0	1.0		3.0	.300	1.20
2N1137A	TO-3	90	55	15.0	65		75	150	5.0	3.0	1.0		3.0	.300	1.20

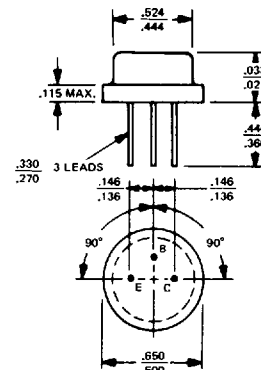
GERMANIUM POWER TRANSISTORS

CASE OUTLINE DRAWINGS & DIMENSIONS

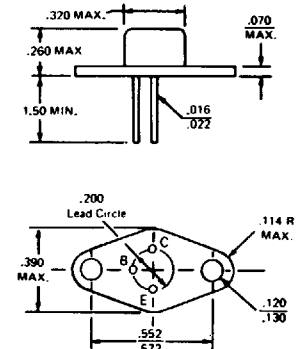
TO-5



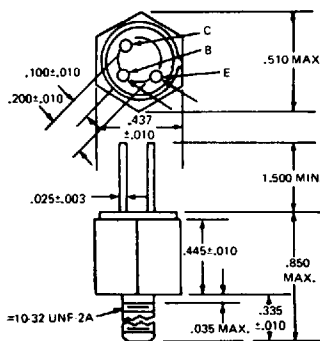
TO-8



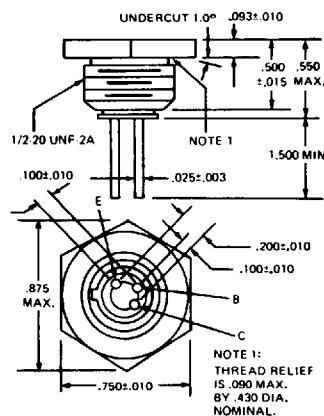
TO-37



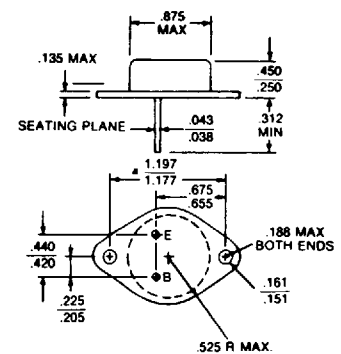
MT-27



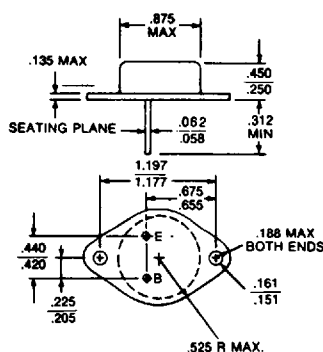
MT-28



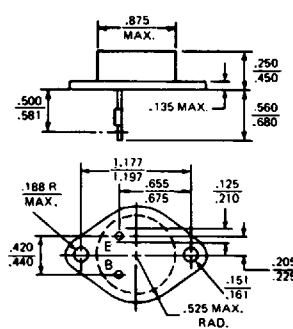
TO-3



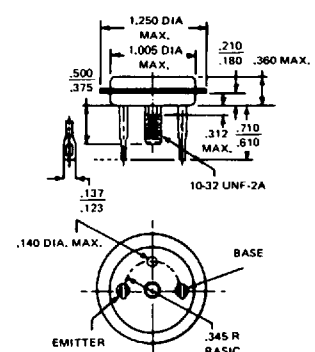
MODIFIED TO-3
(60 mil pins)



TO-41



TO-36



CASE OUTLINE DRAWINGS & DIMENSIONS

The technical drawing shows two views of a vacuum tube base:

- Side View (Top):** Shows a cylindrical component with a threaded section at the bottom. Dimensions include:
 - Overall height: .970
 - Height from base to center of pin holes: .725
 - Threaded section length: .690
 - Pin hole diameter: .430 DIA
 - Base diameter: .415
 - Thread specification: 1/8-28 UNF-2B
 - Feature: FULL THREAD
 - Bottom feature: SOLDER LUGS
- Top View (Bottom):** Shows the circular base with four mounting pins labeled A, B, C, and D. The overall diameter is .550.

Technical drawing of a transistor assembly. The top view shows a hexagonal base with a central circular area labeled "COLLECTOR". The base is labeled "BASE". The emitter is labeled "EMITTER". Dimensions include a base diameter of .58, a central hole diameter of .02, and a distance from the base to the emitter of .29. The side view shows a hex nut at the top, a threaded section with a length of .09, and a total height of .75. The base has a diameter of .53 and a length of .25. The drawing is labeled "1-1/4 - 16UN - 2A" and ".09 DIA. (3)".

SEATING PLANE

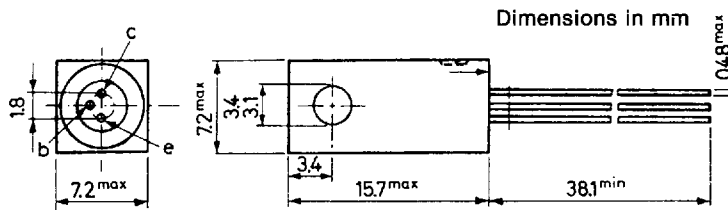
Dimensions:

- .275 / .500
- .100 / .312
- 1.25 MAX.
- .375 / .500
- .610 / .710
- .090 / .140
- .1658 / .1697
- .040 / .095
- .990 MIN.
- .335 / .395
- 90°

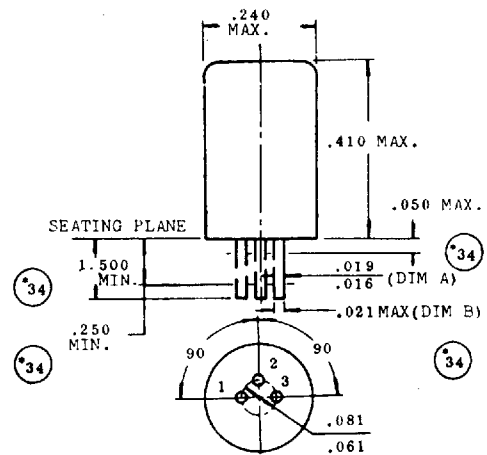
GERMANIUM POWER TRANSISTORS

CASE OUTLINE DRAWINGS & DIMENSIONS

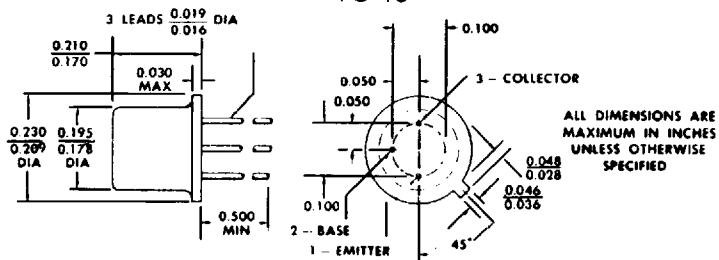
NS257



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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Printed in U.S.A.