

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	

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
2N663	TO-3	50	25	20.0			25	75	2.0	.5	1.00	1.50	.3	.600
2N1159	TO-3	80	60	20.0			30	75	2.0	3.0	.07		3.0	.200

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

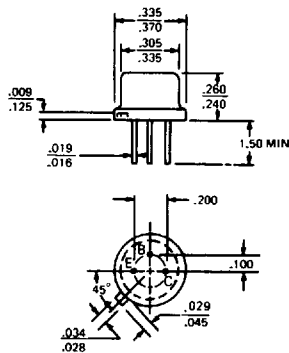
6 AMP GERMANIUM PNP

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

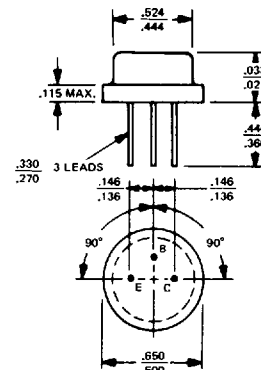
GERMANIUM POWER TRANSISTORS

CASE OUTLINE DRAWINGS & DIMENSIONS

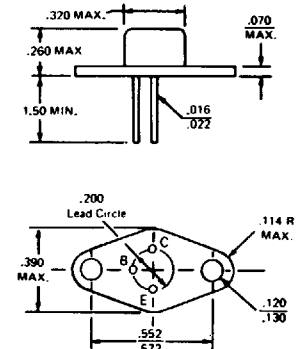
TO-5



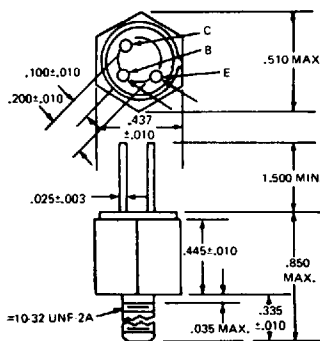
TO-8



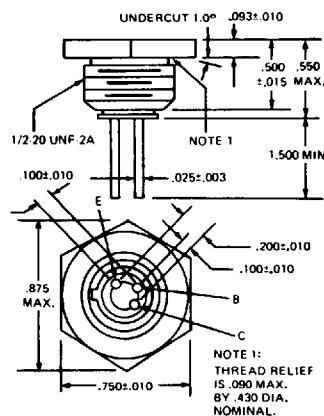
TO-37



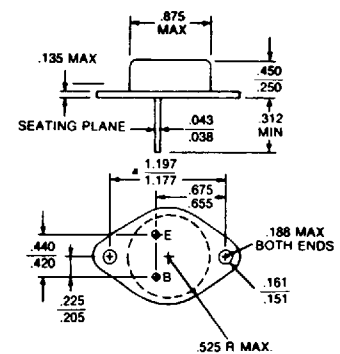
MT-27



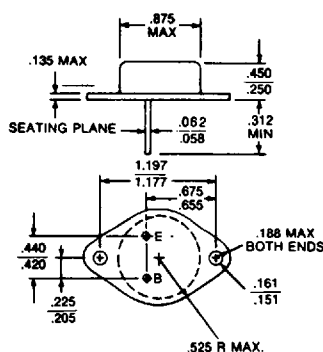
MT-28



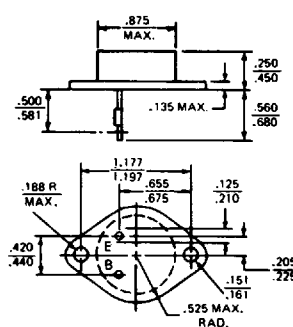
TO-3



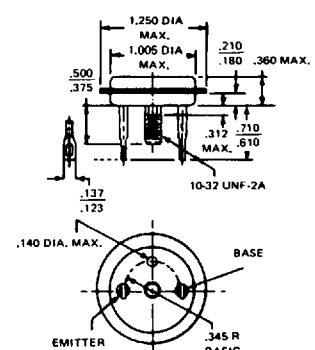
MODIFIED TO-3
(60 mil pins)



TO-41



TO-36



CASE OUTLINE DRAWINGS & DIMENSIONS

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 hole diameter of 550 (530). The package is labeled with '1', '28 UNF-28', '250 WIP', and 'FULL THREAD'. The solder lugs are labeled 'SOLDER LUGS'.

[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 emitter distance: 1.5
- Labels: BASE, COLLECTOR, EMITTER

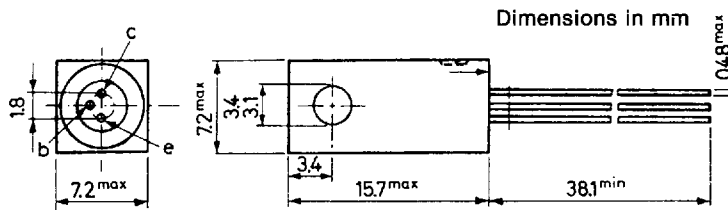
The drawing shows a 2N4350 JFET with the following dimensions:

- 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 diameter: 1.26 DIA.
 - Source lead height: .53
- Top View Dimensions:**
 - Emitter diameter: .02
 - Collector diameter: .29
 - Base diameter: .58

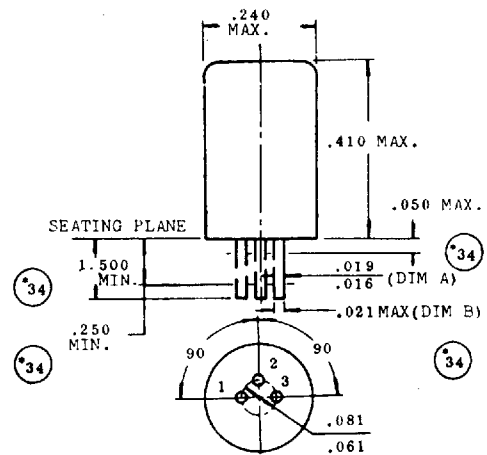
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CASE OUTLINE DRAWINGS & DIMENSIONS

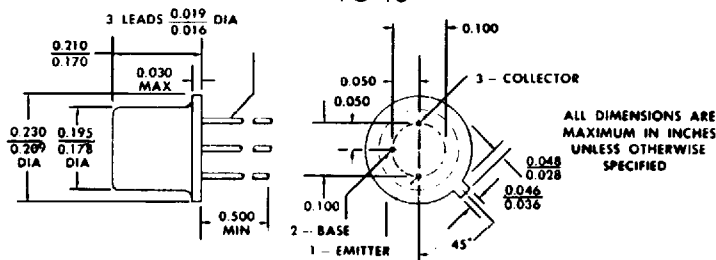
NS257



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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