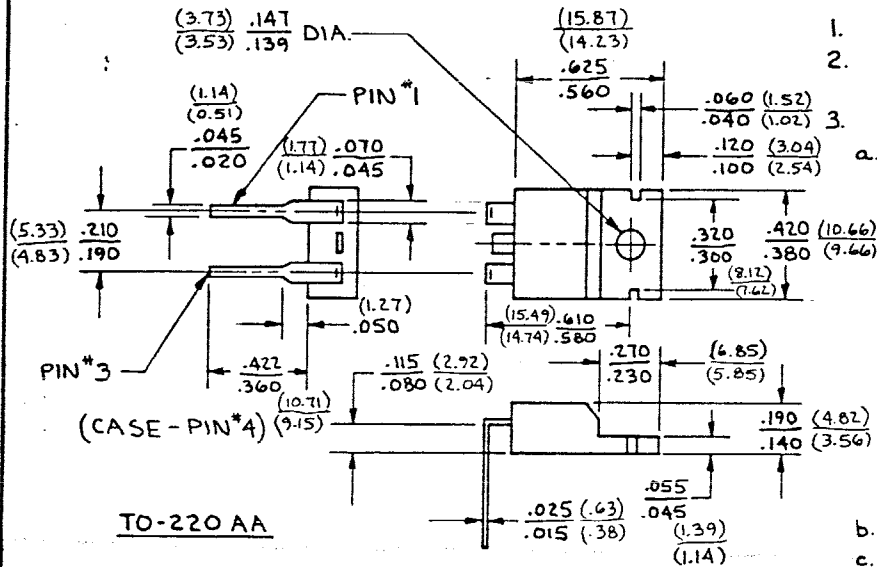


## SPECIFICATIONS:



DIMENSIONS IN PARENTHESIS  
ARE IN MILLIMETERS.

PIN 1 BASE  
2 COLLECTOR  
3 EMITTER  
CASE (4) COLLECTOR

5. To protect against damage due to electrostatic discharge, these units must be manufactured, handled and shipped in accordance with DOD-STD-1686.


1. NPN SILICON TRANSISTOR
2. MANUFACTURER'S PART NO.: RCA 2N3054

3. ELECTRICAL SPECS:
  - a. BASIC RATINGS @ 25°C.

- |  |       |                |      |
|--|-------|----------------|------|
| V <sub>CEO</sub>   | _____ | 60V            | MIN. |
| V <sub>CEB</sub> @ R <sub>BE</sub> =100 OHMS, I <sub>c</sub> =200 ma                 | _____ | 65V            | MIN. |
| V <sub>CE0</sub>   | _____ | 70V            | MIN. |
| V <sub>EB0</sub>   | _____ | 5V             | MIN. |
| I <sub>c</sub> PEAK  | _____ | NOT SPECIFIED  |      |
| I <sub>c</sub> CONTINUOUS  | _____ | 15A            | MIN. |
| I <sub>B</sub>   | _____ | 5A             | MIN. |
| POWER DISSIPATION  | _____ | 75W            | MIN. |
| T <sub>j</sub> OPERATING & STORAGE   | _____ | -65°C TO 150°C |      |
| θ <sub>jc</sub>  | _____ | 1.67°C/W       | MAX. |
| θ <sub>ja</sub>  | _____ | 70°C/W         | MAX. |
| I <sub>CEB</sub> @ R <sub>BE</sub> =100 OHMS, V <sub>CE</sub> =75V                   | _____ | 500μA          | MAX. |
| I <sub>EB0</sub>   | _____ | 1 ma           | MAX. |
| V <sub>CE SAT</sub> @ I <sub>c</sub> =5A, I <sub>B</sub> =0.5A, T <sub>j</sub> =25°C | _____ | 1.3V           | MAX. |
| V <sub>BE SAT</sub> @ I <sub>c</sub> =5A, I <sub>B</sub> =0.5A, T <sub>j</sub> =25°C | _____ | 1.3V           | MAX. |
| h <sub>FE</sub> @ I <sub>c</sub> =5A, V <sub>CE</sub> =4V                            | _____ | 20 TO 105      |      |
9. NOTE: THIS PART IS NOW IDENTICAL TO FBN-36486A

4. MECHANICAL SPECS:

- a. OUTLINE - TO-220 AA CASE (SAME AS TO-220 AB, BUT WITH CENTER LEAD CUT OFF AND OTHER LEADS BENT TO CONFORM TO TO-66 LEAD SPACING.) IF THIS PACKAGE IS UNAVAILABLE, BUY TO-220 AB & MODIFY IN HOUSE.
- b. MARKING - STAMP TOP OF CASE AS FOLLOWS: FBN-35469A
- c. LEADS - HOT SOLDER DIPPED OR OTHER COATING TO ENSURE SOLDERABILITY AND RESISTANCE TO OXIDATION.

REVISIONS		
SYM	DESCRIPTION	APP'L
A	ORIGINAL	87 11/17/66
B	ASSEMBLY NOTE 5 THE 660 A01987 J	3-23-67 JH
USED ON		NEXT ASSY
DR. CK	CH.	ENG.
MATERIAL:		
FINISH:		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES & TOLERANCES ARE: DEC. ±.005 FRACTIONS: ±1/64 ANGLES ±1/2°		
TITLE: <h2 style="text-align: center;">TRANSISTOR</h2>		
 A DIVISION OF INSTRUMENTS INC.		
SIZE	SCALE: 2/1	REV.
B	FBN-35469A	B

SHEET