

# New Jersey Semi-Conductor Products, Inc.

20 STERN AVE.  
SPRINGFIELD, NEW JERSEY 07081  
U.S.A.

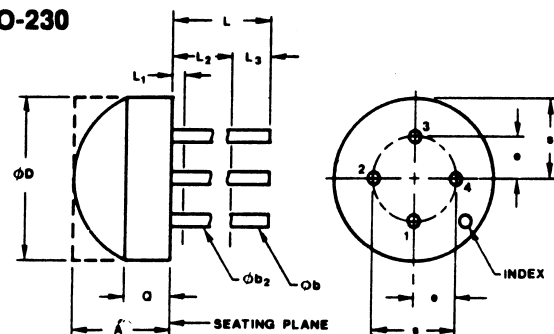
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2N4917  
SI PNP LP HF BJT

## Description: Si PNP LP HF BJT

Manufacturer..... many  
Mil/High-Rel? (Y/N).....  
Vbr CEO..... 30  
Trans. Freq (Hz) Min..... 450M  
hfe.....  
    @VCE (test) (V).....  
    @Ic (A).....  
Ic Max. (A)..... 200m  
C(ob) (F)..... 4.5p  
Icbo Max. @Vcb Max. (A)..... 25nW  
t(on) Delay (S)..... 35n  
Tr Max. (s)..... 35n  
t(stor) Max. (S)..... 150n  
t(f) Max. (S)..... 75n  
Max. PD (W)..... 200m  
Derate (Amb) (W/xC)..... 2.0m  
Vbr CBO..... 30  
Oper. Temp (xC) Max..... 150u  
    @ Temp (derating) test xC...  
Oper. Temp (xC) Min.....  
Pkg Style..... TO-230 var  
Surface Mounted (Y/N)..... N  
Pinout Equivalence Number..... 3-12

## TO-230

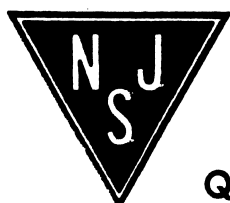


VARIATIONS (All Dimensions shown in millimeters)

| SYMBOL          | AA               |      |   | NOTE | AB               |      |   | NOTE |
|-----------------|------------------|------|---|------|------------------|------|---|------|
|                 | MIN.             | MAX. |   |      | MIN.             | MAX. |   |      |
| A               | 3.1              | 6.0  | 7 |      | 3.1              | 6.0  | 7 |      |
| oa              | 2.42             | 2.66 | 4 |      | 4.83             | 5.33 | 4 |      |
| ob              | .407             | .533 |   |      | .407             | .533 |   |      |
| ob <sub>2</sub> | .407             | .482 | 3 |      | .407             | .482 | 3 |      |
| oD              | 4.88             | 5.63 | 7 |      | 7.75             | 8.25 | 7 |      |
| e               | 1.15             | 1.39 | 4 |      | 2.29             | 2.79 | 4 |      |
| L               | 12.70            |      | 3 |      | 12.70            |      | 3 |      |
| L <sub>1</sub>  |                  | 1.27 | 3 |      |                  | 1.27 | 3 |      |
| L <sub>2</sub>  | 5.10             |      | 3 |      | 5.10             |      | 3 |      |
| L <sub>3</sub>  | 6.35             |      | 3 |      | 6.35             |      | 3 |      |
| Q               | 1.53             |      |   |      | 1.53             |      |   |      |
| s               | 2.29             | 2.92 |   |      | 3.69             | 4.19 |   |      |
| NOTE            | 1, 2, 5, 6, 8, 9 |      |   |      | 1, 2, 5, 6, 8, 9 |      |   |      |

## NOTES:

1. Refer to applicable symbol list.
2. Dimensioning & tolerancing per ANSI Y14.5-1973.
3. ob<sub>2</sub> applies to zone L<sub>2</sub>; ob applies to zone L<sub>3</sub>. Lead diameter is uncontrolled in zone L<sub>1</sub> and beyond L<sub>1</sub> minimum.
4. e and oa apply to zone (L<sub>1</sub> and L<sub>2</sub>) when unit installed. Leads to be within .13 radius true position at gauge plane at maximum material condition.
5. Maximum quantity of leads 4.
6. Maximum quantity of allowable missing leads 1.
7. Package contour option within dimensions specified.
8. Visual or mechanical index optional if one lead is omitted.
9. Controlling dimension: inch.



Quality Semi-Conductors