

New Jersey Semi-Conductor Products, Inc.

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2N3509
 SI NPN LP HF BJT

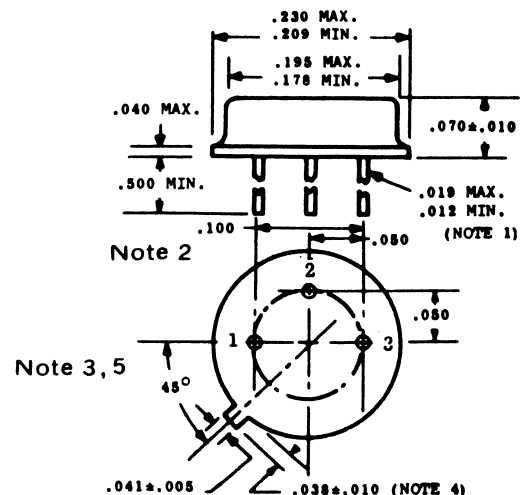
Description: Si NPN LP HF BJT

| | |
|--------------------------------|-------|
| Manufacturer..... | |
| Mil/High-Rel? (Y/N)..... | |
| Vbr CEO..... | 20 |
| Trans. Freq (Hz) Min..... | 500M |
| hfe..... | |
| @VCE (test) (V)..... | |
| @Ic (A)..... | |
| Ic Max. (A)..... | 200m |
| C(ob) (F)..... | 4p |
| Icbo Max. @Vcb Max. (A)..... | .20u± |
| t(on) Delay (S)..... | 5.0n |
| Tr Max. (s)..... | 18n |
| t(stor) Max. (S)..... | 13n |
| t(f) Max. (S)..... | 15n |
| Max. PD (W)..... | 400m |
| Derate (Amb) (W/°C)..... | 2.3m |
| Vbr CBO..... | 40 |
| Oper. Temp (°C) Max..... | 175. |
| @ Temp (derating) test °C... | |
| Oper. Temp (°C) Min..... | |
| Pkg Style..... | TO-46 |
| Surface Mounted (Y/N)..... | N |
| Pinout Equivalence Number..... | 3-12 |

• Storage Temperature \times It(rms) \neq @ Below Vcb(max)

TO46 NOTES:

1. (Three Leads) (Dim. .012 min. and .019 max.) applies between (.050 max.) and (.250 min.). (Dim. .016 min. and .021 max.) applies between (.250 min.) and .5" from seating plane. Diameter is uncontrolled in (.050 max.) and beyond .5" from seating plane.
2. Maximum diameter leads at a gaging plane .054" and .001"-.000" below seating plane to be within .007" of their true position relative to maximum-width tab and to the maximum .230" diameter measured with a suitable gage. When gage is not used, measurement will be made at seating plane.
3. Index tab for visual orientation only.
4. Measured from maximum diameter of the actual device.
5. •Tab centerline.



Quality Semi-Conductors