New Jersey Semi-Conductor Products, Inc.

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PARAMETERS

2N6649
PNP DARLINGTON TRANSISTOR

Description: PNP Darlington Transistor

Manufacturer	
Mil/High-Rel? (Y/N)	
Ic Max. (A)	10
Vbr CEO	60
Max. PD (W)	27
Derate Above 25xC	570m
Min hFE	1.0k
Max. hFE	20k
@Ic (test) (A)	5.0
@VCE (test)	3.0
Trans. Freq (Hz) Min	20M
Icbo Max. @Vcb Max. (A)	300uL6
R(sat) (j)	300m
t(on) Delay (S)	
Tr Max. (s)	
t(stor) Max. (S)	
t(f) Max. (S)	
Mat	Silicon
Oper. Temp (xC) Max	150u
Pkg Style	TO-204AA
Surface Mounted (Y/N)	N
Pinout Equivalence Number	3-38

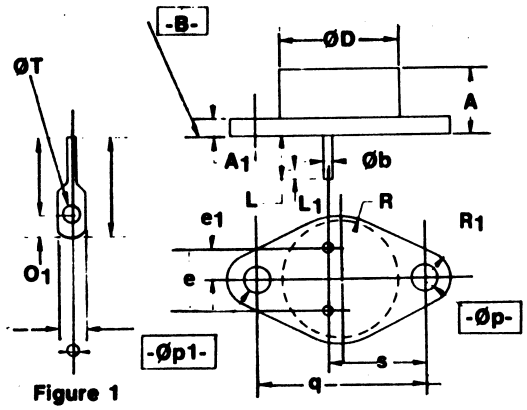

Figure 1

u Junction Temperature 2 It(rms) Derating Begins at 100xC 6 ICEV
L Measured at 25xC Case Tempe.

SYMBOL	AA MIN.	AA MAX.	NOTE
A	6.4	11.4	
A_1	-	3.42	
b	-	-	
Øb	.966	1.092	3
ØD	-	22.22	
e	10.67	11.17	
e1	5.21	5.21	
L	7.93	-	3
L_1			
O			
O_1	-	-	
Øp	3.84	4.08	5,9
Øp	3.84	4.08	5,9
q	30.15 BSC		
R		13.33	
R_1	-	4.77	6
S	16.64	17.14	
ØT			
NOTE	1,2,8,9,10,11		

NOTES:

1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ansi Y14.5, 1973.
3. Two leads.
4. Square or radius on end of terminal optional.
5. Two holes.
6. Both ends.
7. Figure 1 lead configuration applicable.
8. Datum surface -B- is seating plane.
9. Dimensions -Øp- & -$Øp_1$- are datums.
10. Positional tolerance for ØD:

Ø	Ø.25 Ⓜ	B	$Øp_1$ Ⓜ	ØR Ⓜ

11. Controlling dimension: Millimeters

Quality Semi-Conductors