

# New Jersey Semi-Conductor Products, Inc.

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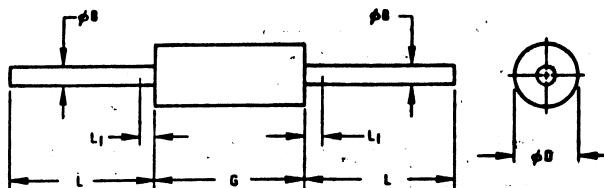
## PARAMETERS

SI RECTIFIER, 200mA < I(O)/I(F) ≤ 500mA 1N649

Description: Si Rectifier, 200mA < I(O)/I(F) ≤ 500mA

Manufacturer.....  
 Mil/High-Rel? (Y/N).....  
 I(out) (If AVG) Max..... 400m  
     @Temp. (test) (x°C)..... 25  
 VRRM..... 600  
 1-Cycle Surge Current (A)..... 3.0  
 Vf Max..... 1.0  
     @If (test)..... .40  
     @Temp. (test) for Vf)..... 25  
 Ir @25x°C..... 200m  
     @Volts (test) (V)..... 600  
 Ir @ Diff. Temp (A)..... 25u  
     @Temp (test) (x°C)..... 100  
 Oper. Temp (x°C) Max..... 150  
 Pkg Style.....  
 Surface Mounted (Y/N)..... N

2 It(rms)



### NOTES:

1. PACKAGE CONTOUR OPTIONAL WITHIN CYLINDER OF DIAMETER ØD AND LENGTH G. SLUGS, IF ANY, SHALL BE INCLUDED WITHIN THIS CYLINDER BUT SHALL NOT BE SUBJECT TO THE MINIMUM LIMIT OF ØD.
2. LEAD DIAMETER NOT CONTROLLED IN THIS ZONE TO ALLOW FOR FLASH, LEAD FINISH BUILD-UP, AND MINOR IRREGULARITIES OTHER THAN SLUGS.

MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
ØD	.018	.022	.458	.558	-
ØD	.108	.140	2.75	3.55	1
G		.300	5.85	7.62	1
L	1.000	-	25.40	-	-
L <sub>1</sub>	-	.050	-	1.27	2