

New Jersey Semi-Conductor Products, Inc.

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PARAMETERS

2N5099

SI NPN POWER BJT, I(C) = 1 A TO 2.4 A

Description: SI NPN Power BJT, I(C) = 1 A to 2.4 A

Manufacturer.....	
Mil/High-Rel? (Y/N).....	
Ic Max. (A).....	1.0
Vbr CEO.....	550
Vbr CBO.....	800
Max. PD (W).....	2.0
Derate Above 25xC.....	26m
Min hFE.....	15
Max. hFE.....	250
@Ic (test) (A).....	100m
@VCE (V).....	10
Trans. Freq (Hz) Min.....	50M
Icbo Max. @Vcb Max. (A).....	500nX
R(sat) (j).....	20
Tr Max. (s).....	
t(f) Max. (S).....	
Oper. Temp (xC) Max.....	175
Pkg Style.....	T0-5
Surface Mounted (Y/N).....	N
Pinout Equivalence Number.....	3-12

2 It(rms) X @ Below Vcb(max) Derating Begins at 100xC

