

New Jersey Semi-Conductor Products, Inc.

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PARAMETERS

2N5099

SI NPN POWER BJT, $I(C) = 1 \text{ A TO } 2.4 \text{ A}$

Description: Si NPN Power BJT, $I(C) = 1 \text{ A to } 2.4 \text{ A}$

Manufacturer.....	
Mil/High-Rel? (Y/N).....	
I_C Max. (A).....	1.0
$V_{br} \text{ CEO}$	550
$V_{br} \text{ CBO}$	800
Max. PD (W).....	2.0
Derate Above 25°C.....	26m
Min hFE.....	15
Max. hFE.....	250
@ I_C (test) (A).....	100m
@ V_{CE} (V).....	10
Trans. Freq (Hz) Min.....	50M
I_{CBO} Max. @ V_{CB} Max. (A).....	500nX
$R(sat)$ (Ω).....	20
T_r Max. (s).....	
$t(f)$ Max. (s).....	
Oper. Temp (°C) Max.....	175
Pkg Style.....	T0-5
Surface Mounted (Y/N).....	N
Pinout Equivalence Number.....	3-12

2 $I_{t(rms)}$ X @ Below $V_{cb(max)}$ Derating Begins at 100°C

