New Jersey Semi-Conductor Products, Inc.

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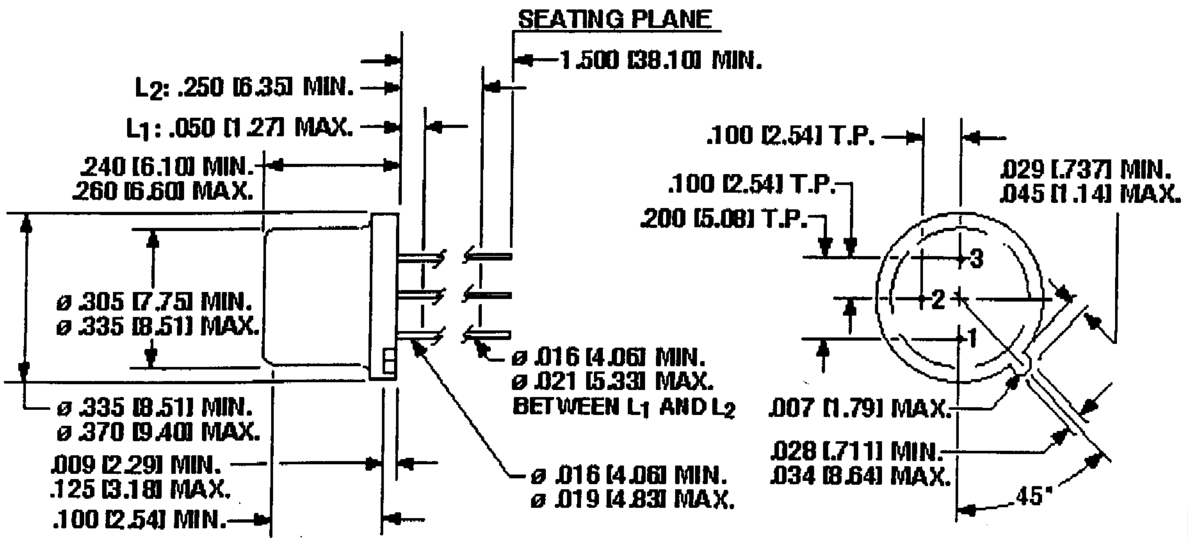
2N5010

NPN Transistor

Package
TO-5

Absolute Maximum Ratings	Symbol	Max	Unit
Power Dissipation	**Power**	4	W
Collector Current	I_C	0.5	A
Breakdown Voltage Collector-to-Base	$B_{V(CBO)}$	500	V
Voltage Collector to Emitter Open	V_{CEO}	500	V
Voltage Emitter to Base Open	BV_{EBO}	5	V

Electrical Characteristics	Symbol	Min	Typ	Max	Unit
Collector Emitter Saturation Voltage					
(I_B=0.005 mA, I_C=0.025 mA, T_A=25 °C,300μs pulse)	$V_{CE(sat)}$			1.4	V
DC Current Gain					
(I_C=0.025 mA, T_A=25 °C,300μs pulse)	**HFE**	30		180	



NOTE: DIMENSIONS IN INCHES [MM]

Quality Semi-Conductors