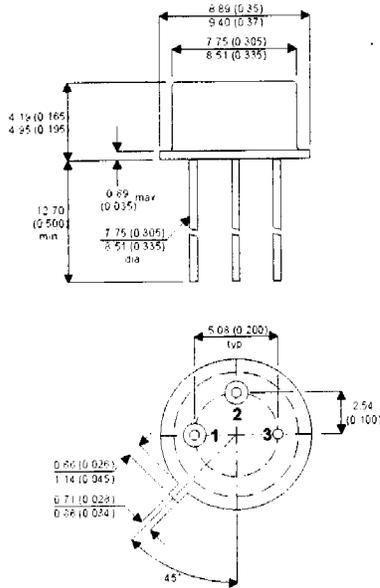


2N3053

MECHANICAL DATA
Dimensions in mm (inches)

MEDIUM POWER SILICON
NPN PLANAR TRANSISTOR



TO39 PACKAGE

Underside View

Pin 1 = Emitter Pin 2 = Base Pin 3 = Collector

FEATURES

- $V_{CEO} = 40V$
- $I_C = 0.7A$
- $P_{tot} = 5W$

ABSOLUTE MAXIMUM RATINGS ($T_{case} = 25^{\circ}C$ unless otherwise stated)

V_{CBO}	Collector - Base Voltage	60V
V_{CEO}	Collector - Emitter Voltage	40V
V_{CER}	Collector - Emitter Sustaining Voltage	50V
V_{CEX}	Collector - Emitter Voltage	60V
V_{EBO}	Emitter-Base Voltage	5V
I_C	Collector Current	0.7A
P_{TOT}	Power Dissipation $T_{amb} = 25^{\circ}C$	1W
	$T_{case} = 25^{\circ}C$	5W
T_j	Junction Temperature	200 $^{\circ}C$
T_{stg}	Storage Temperature	-65 to 200 $^{\circ}C$
$R_{th(jc)}$	Thermal Resistance Junction to Case	35 $^{\circ}C / W$
$R_{th(ja)}$	Thermal Resistance Junction to Ambient	175 $^{\circ}C / W$



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