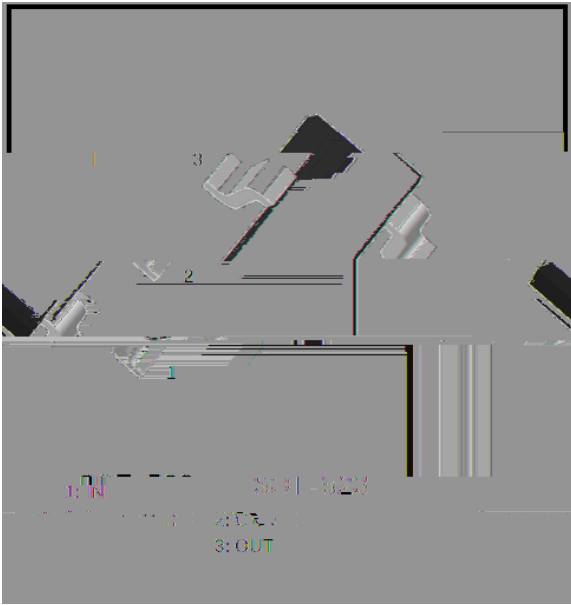


NPN Digital Transistors (Built-in Resistors)



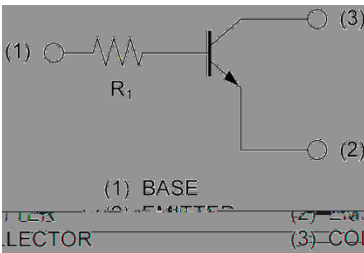
Features

- Moisture Sensitivity Level 1
- Surface mount package ideally Suited for Automatic Insertion
- Epoxy meets UL-94 V-0 flammability rating, halogen-free

Mechanical Data

- Package:** SOT-523
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Marking:** 06

Equivalent circuit



Maximum Ratings (Ta=25°C Unless otherwise specified)

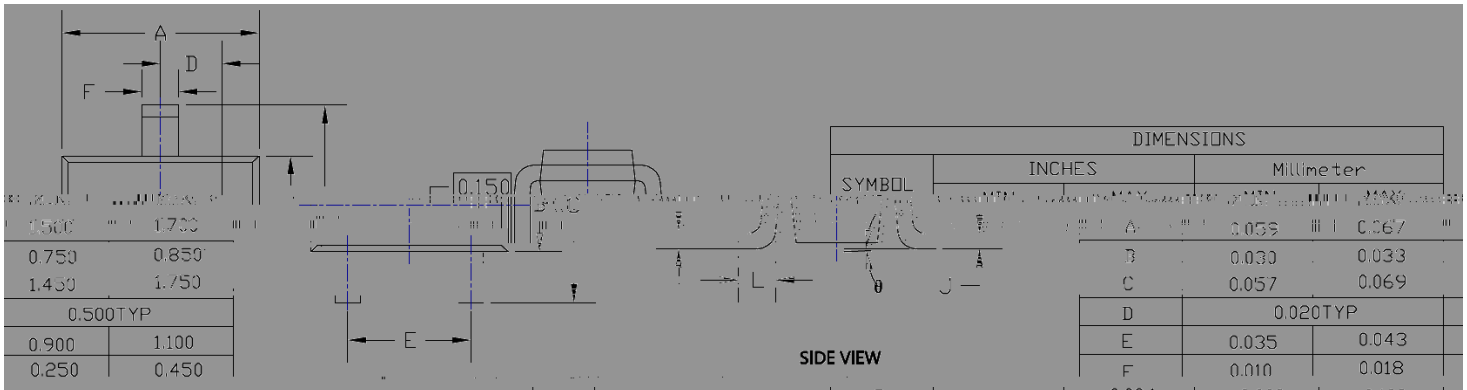
Item	Symbol	Unit	Conditions	Value
Emitter-Base Voltage	V_{EB0}	V	$I_E = 15 \mu A \pm 5\%$	5
Collector Current	I_C	mA		15
Collector Power Dissipation	P_C	mW		15
Operation Junction Temperature	T_J			-55 to +150
Storage Temperature	T_{STG}			-55 to +150

DTC144TE



DTC144TE

SOT-523 Package Outline Dimensions



Note:

1. All dimensions are in millimeters (mm) unless otherwise specified.



Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf.