

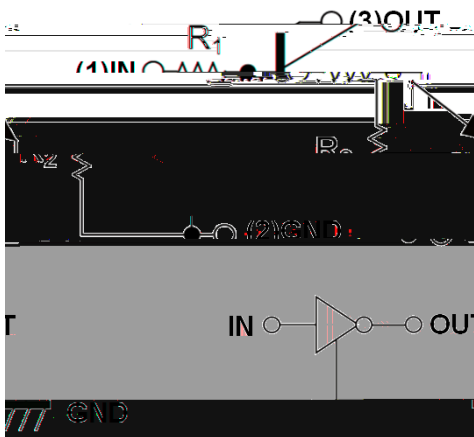
NPN Digital Transistors (Built-in Resistors)



Features

- Moisture Sensitivity Level 1
- Surface mount package ideally Suited for Automatic Insertion
- Epoxy meets UL-94 V-0 flammability, solderable per J-STD-002 and JESD22-B102
- Marking: 23**

Equivalent circuit



Maximum Ratings (Ta=25 Unless otherwise specified)

ITEM	SYMBOL	UNIT	CONDITIONS	VALUE
Supply Voltage	V_{CC}	V		50
Input Voltage	V_{IN}	V		-10 to +30
Output Current	I_o	mA		100
Power Dissipation	P_D	mW		150
Junction Temperature	T_J			-55 to +150
Storage Temperature	T_{STG}			-55 to +150



DTC143EE

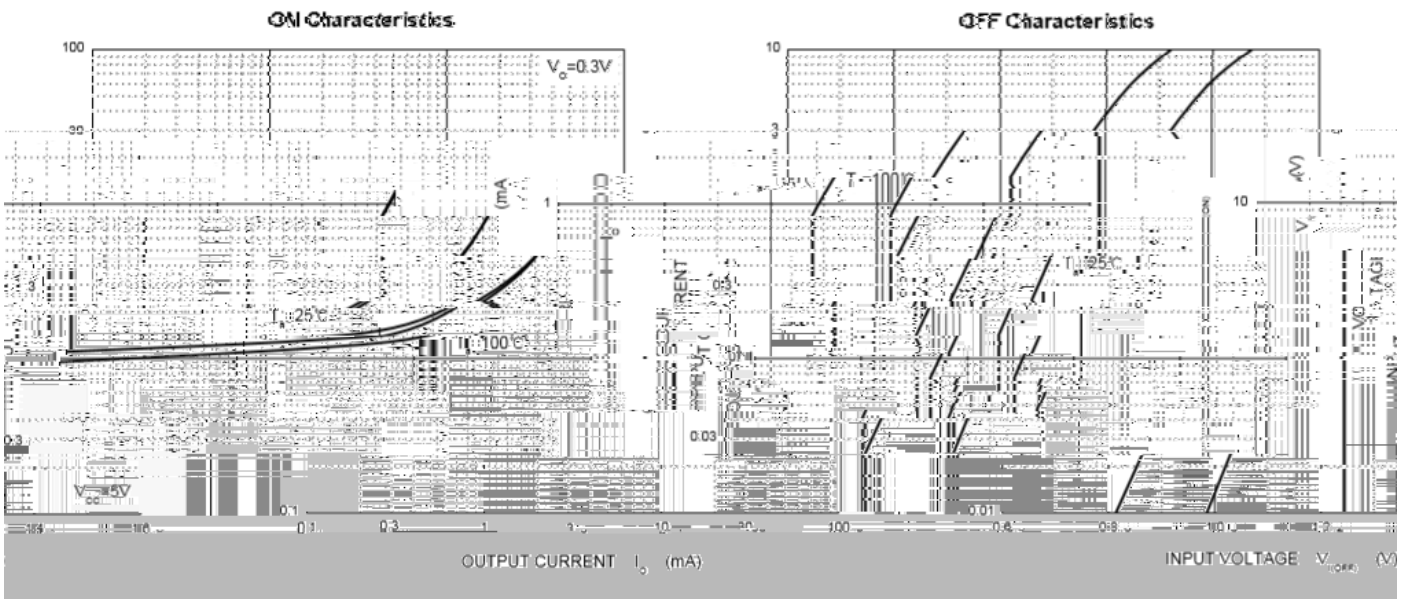
Electrical Characteristics (Ta=25 unless otherwise specified)

ITEM	SYMBOL	UNIT	
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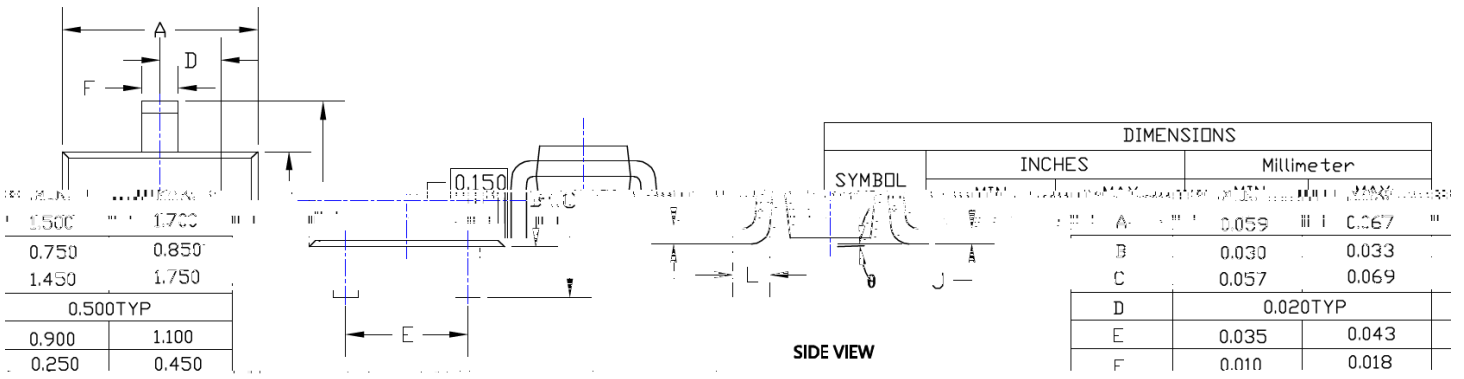
Characteristics (Typical)





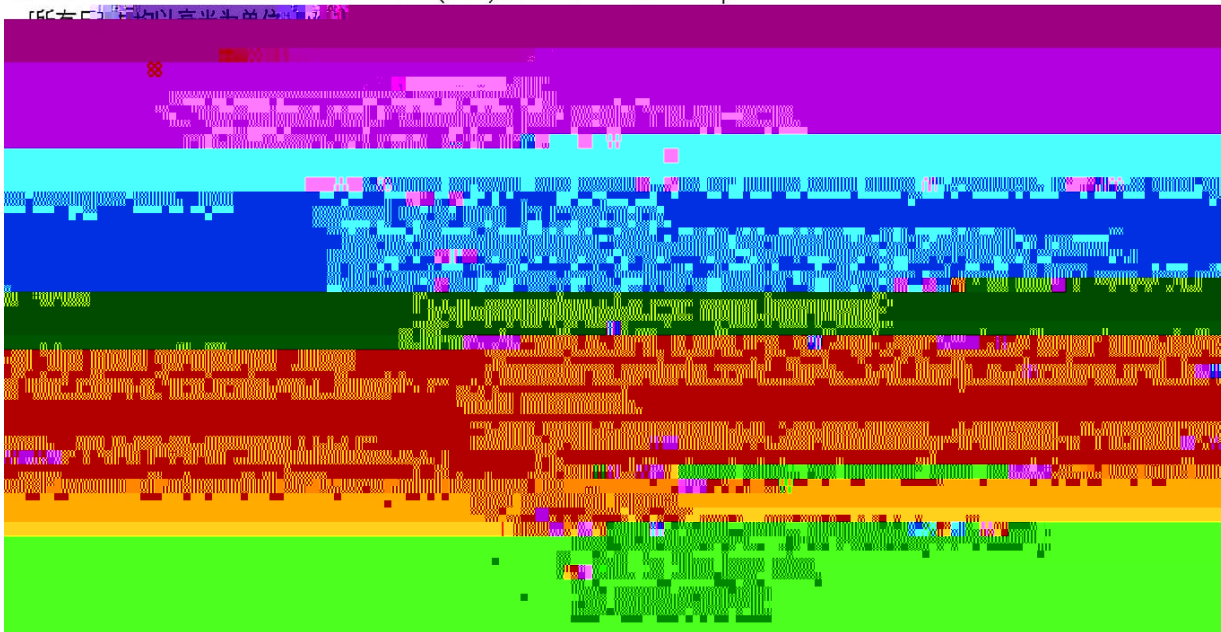
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SOT-523 Package Outline Dimensions



Note:

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





Disclaimer

The information presented in this