

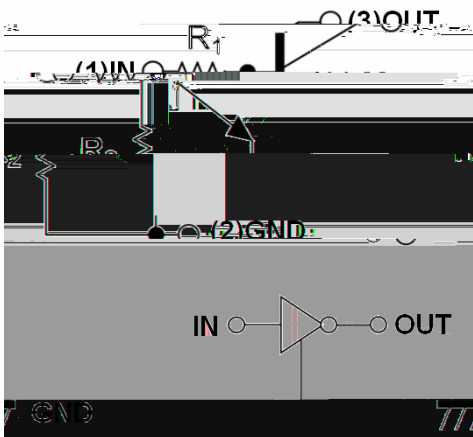
## NPN Digital Transistors (Built-in Resistors)



### Features

- Moisture Sensitivity Level 1
- Surface mount package ideally Suited for Automatic Insertion
- Epoxy meets UL-94 V-0 flammability req. 4 in plated leads, 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

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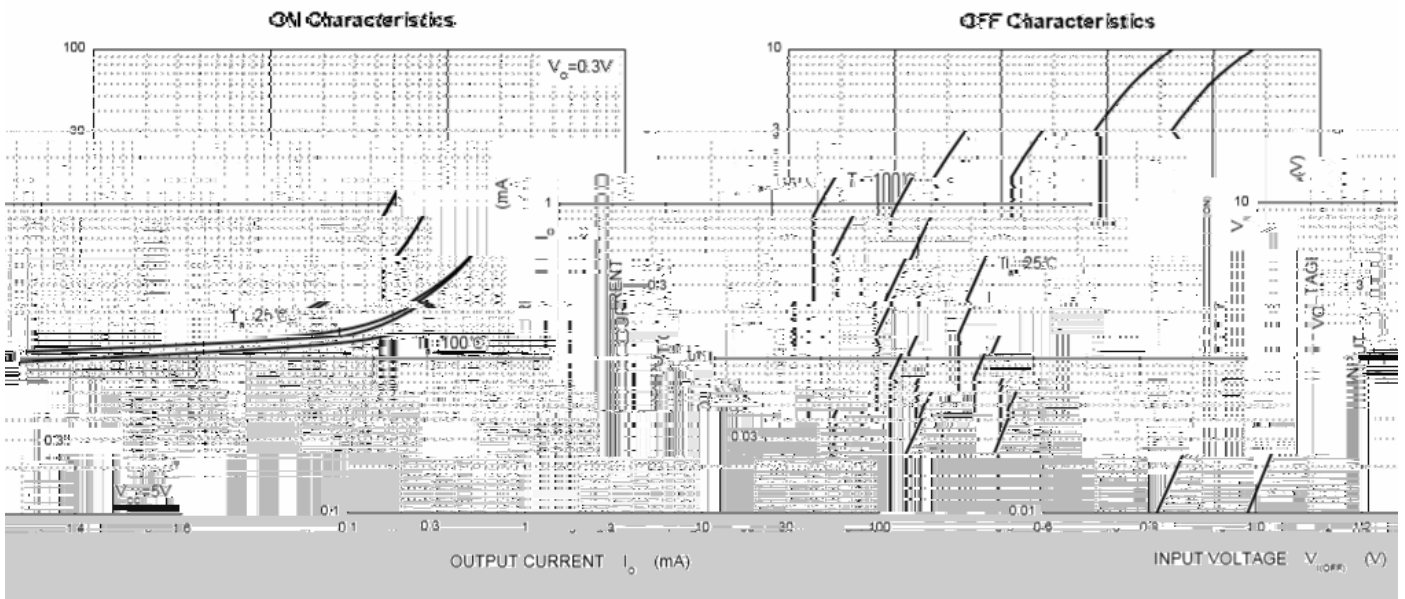
## Electrical Characteristics (Ta=25 unless otherwise specified)

ITEM	SYMBOL	UNIT	
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# DTC143EE

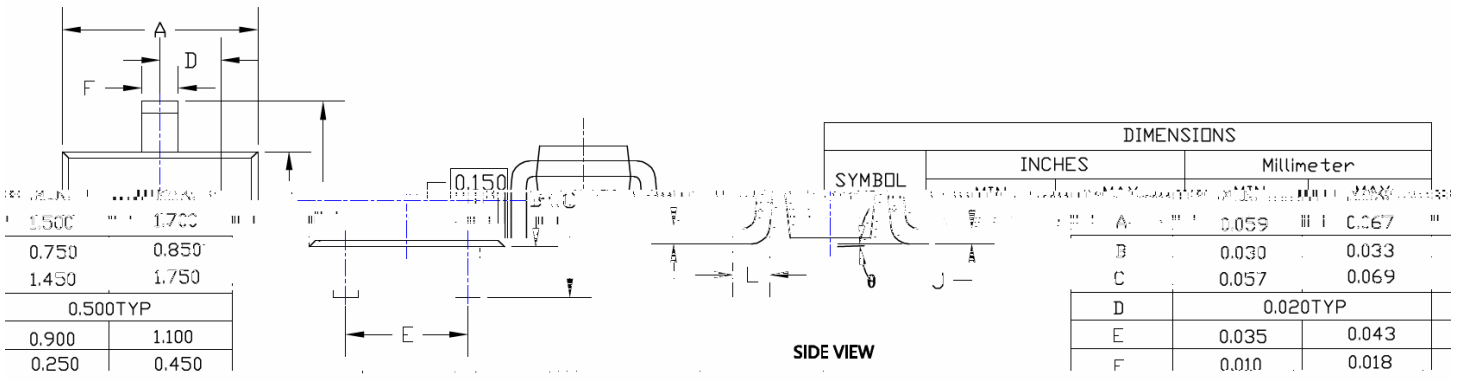
## Characteristics (Typical)





# DTC143EE

## SOT-523 Package Outline Dimensions



Note:

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





**Disclaimer**

The information presented in this