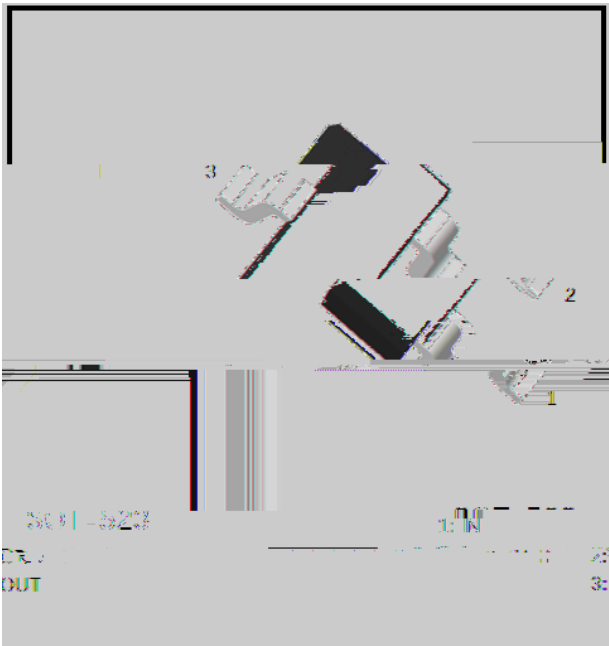


NPN Digital Transistors (Built-in Resistors)



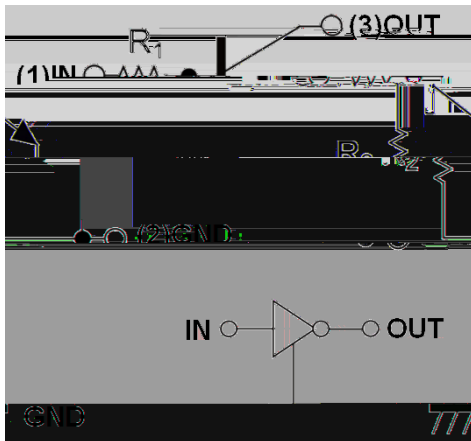
Features

- Moisture Sensitivity Level 1
- Surface mount package ideally Suited for Automatic Insertion
- Halogen-free

Mechanical Data

- **Package:** SOT-523
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Marking:** 22

■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 +12
Output Current	I_O	mA		100
Power Dissipation	P_D	mW		150
Junction Temperature	T_J			150
Storage Temperature	T_{STG}			-55 to +150



DTC123EE

■Electrical Characteristics (Ta=25 unless otherwise specified)

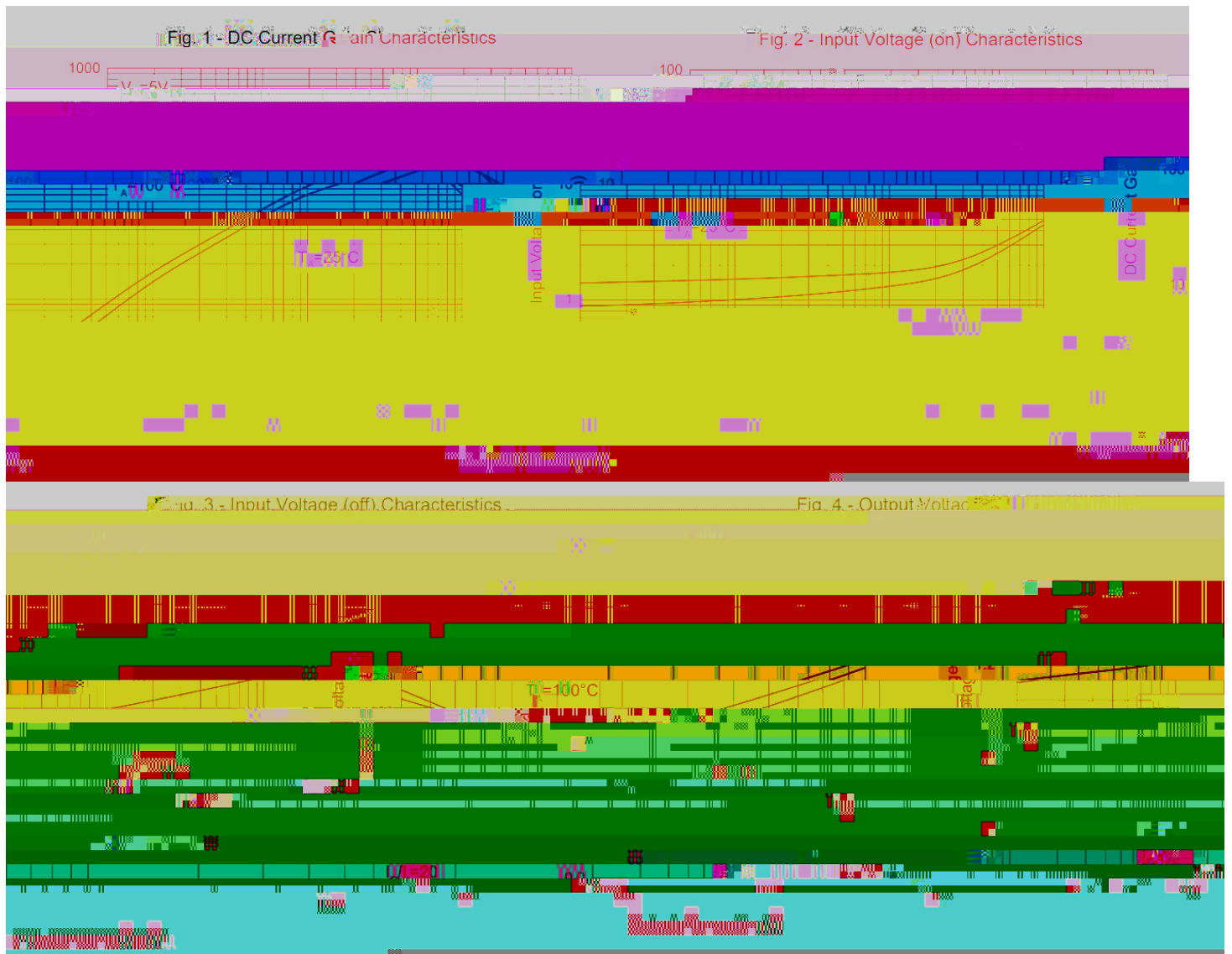
ITEM	SYMBOL	UNIT	CONDITIONS	MIN	TYP	MAX
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Input voltage

$V_{I(off)}$



■ Characteristics (Typical)



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<DQJJKRX <DQJMEH HENQWORLD&R /WG



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