

Digital Transistors (Built-in Resistors)



Features

- Epoxy meets UL-94 V-0 flammability rating
- Built-in bias resistors enable the configuration of an inverter circuit without connecting external input resistors
- Surface mount package ideally Suited for Automatic Insertion

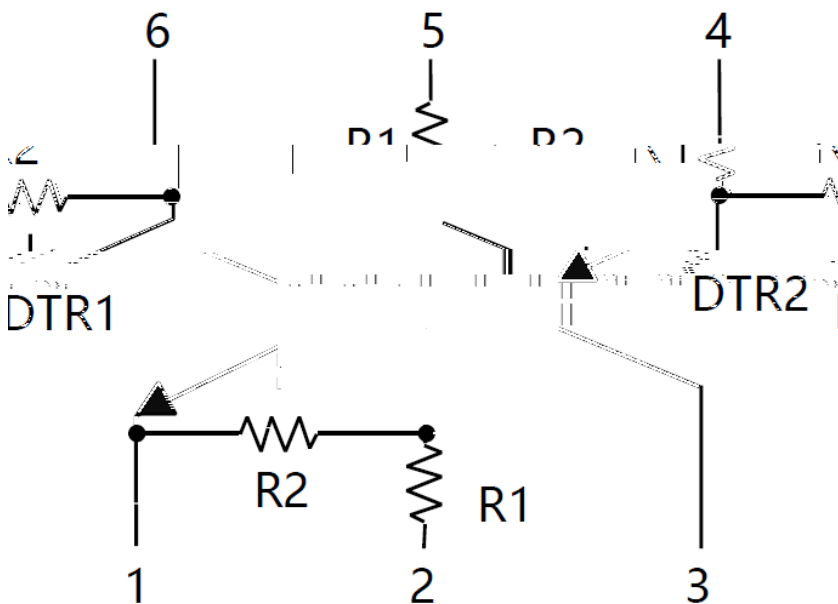
Mechanical Data

Package: SOT-363

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Marking: D15

Equivalent circuit





UMD15N

Maximum Ratings (Ta=25 Unless otherwise specified)

DTR1-NPN

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



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Fig. 3 - DTR1 Input Voltage (off) Characteristics

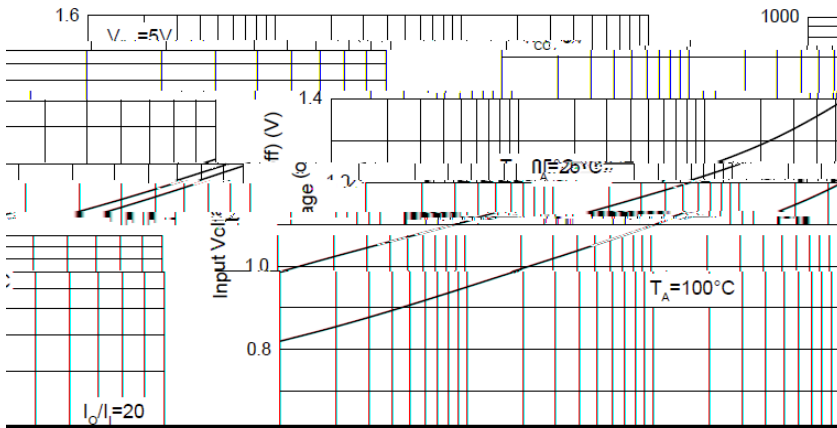


Fig. 4 - DTR1 Output Voltage Characteristics

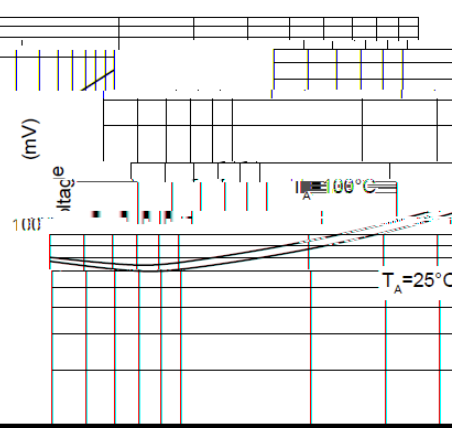


Fig. 5 - DTR2 DC Current Gain Characteristics

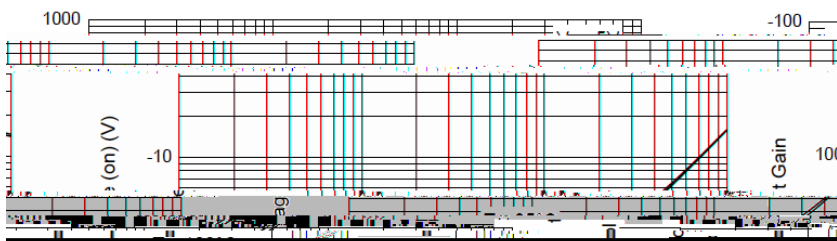


Fig. 6 - DTR2 Input Voltage (off) Characteristics

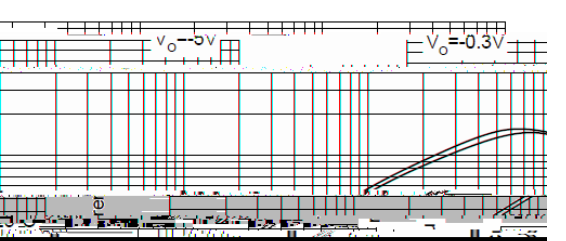
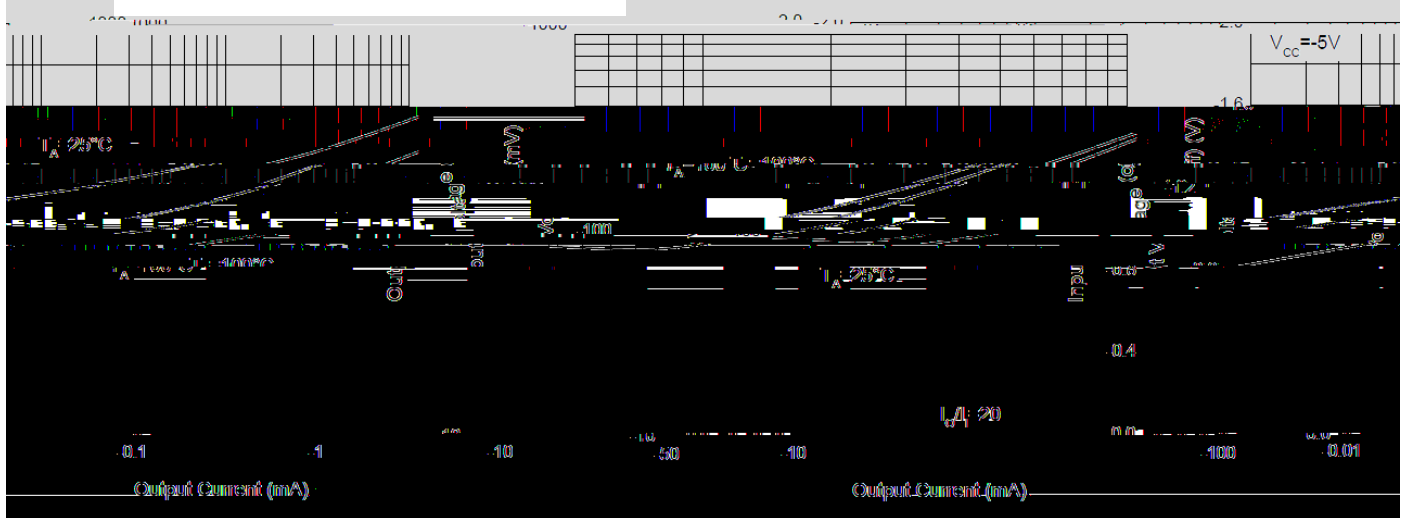


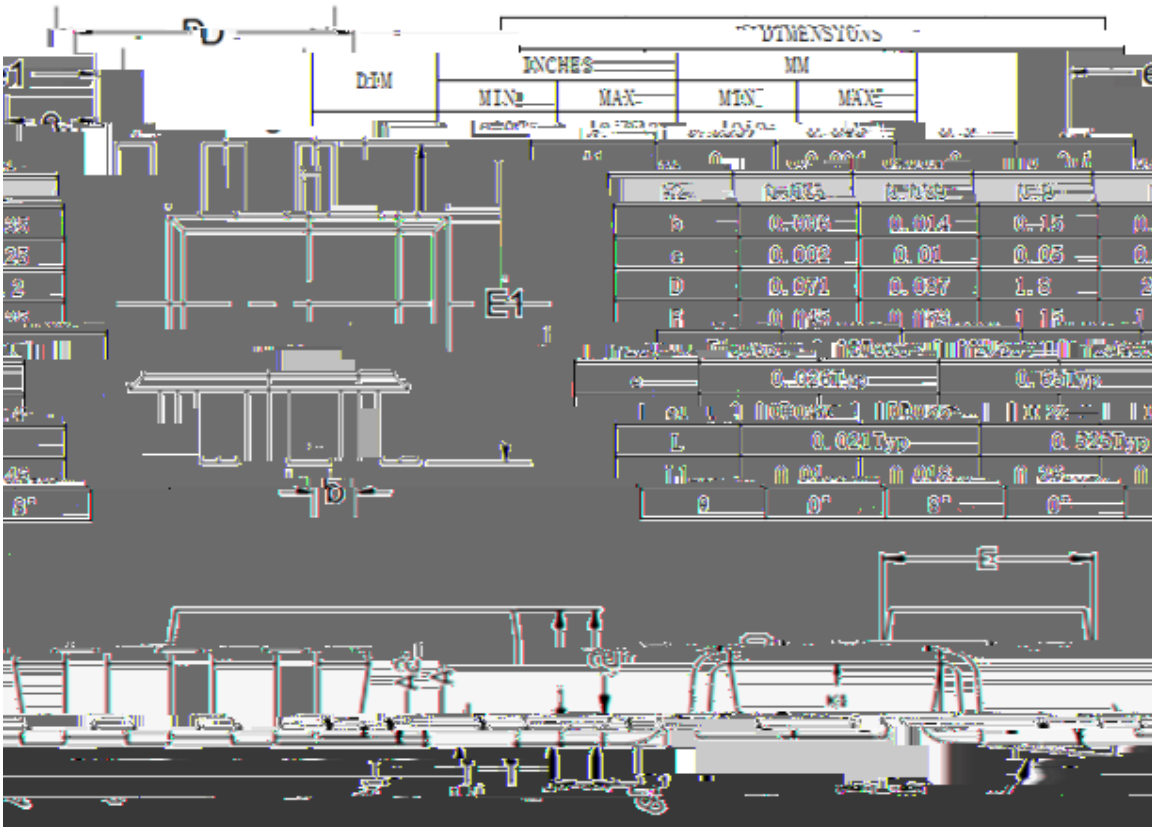
Fig. 7 - DTR2 Input Voltage (off) Characteristics



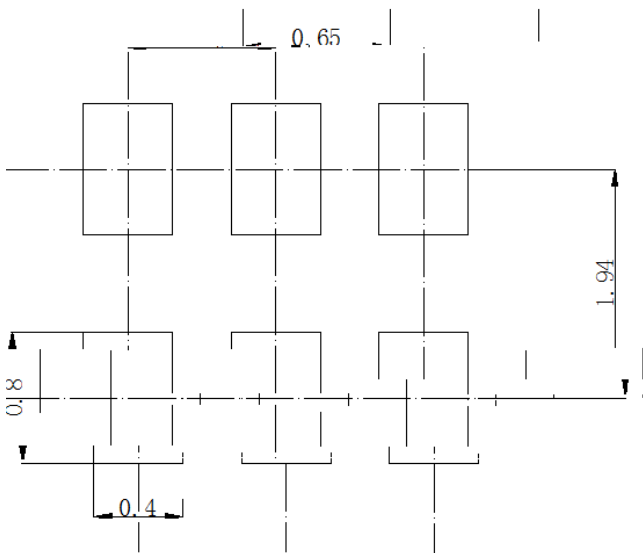


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SOT-363 Package Outline Dimensions



SOT-363 Suggested Pad Layout



Unit mm



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