



**WILLAS**



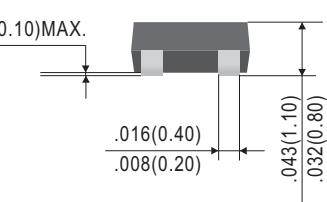
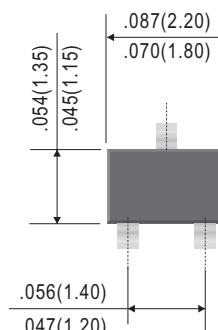
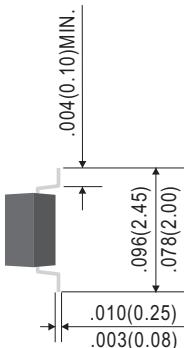
## NPN Digital Transistor

**DTC123JUA**

### Features

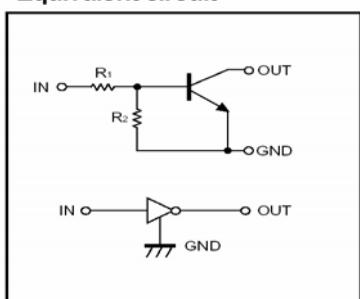
- Epitaxial Planar Die Construction
  - Complementary NPN Types Available
  - Built-in Bias Resistors
  - Pb-Free package is available**
- RoHS product for packing code suffix "G"  
 Halogen free product for packing code suffix "H"
- Epoxy meets UL 94 V-0 flammability rating
  - Moisture Sensitivity Level 1

**SOT-323**



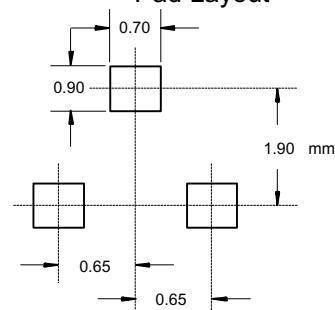
Dimensions in inches and (millimeters)

#### ● Equivalent circuit



\*Marking: E42

#### Suggested Solder Pad Layout





# WILLAS

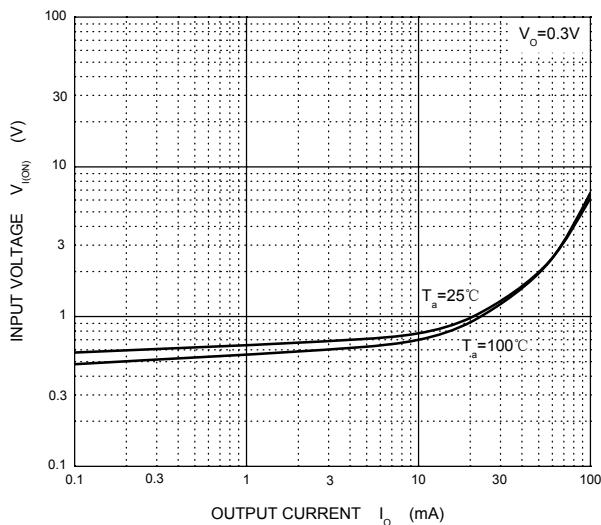


## NPN Digital Transistor

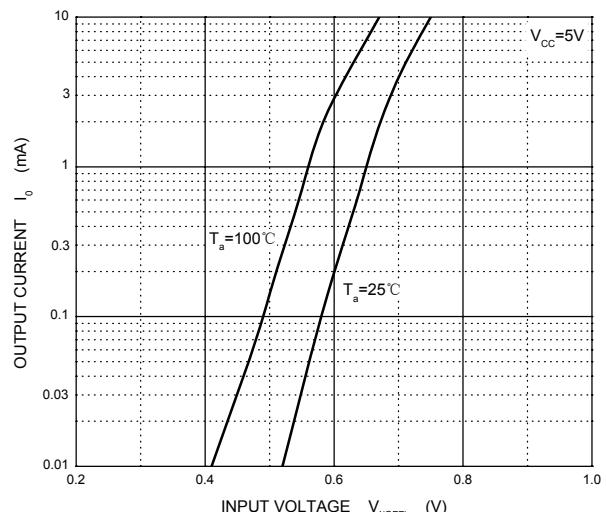
### DTC123JUA

### Typical Characteristics

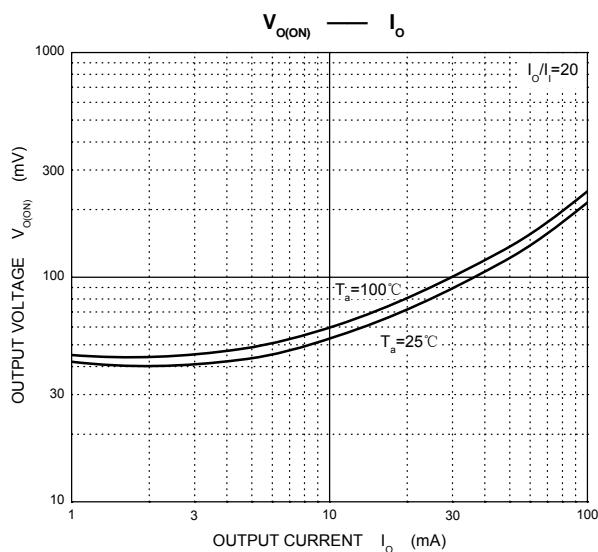
**ON Characteristics**



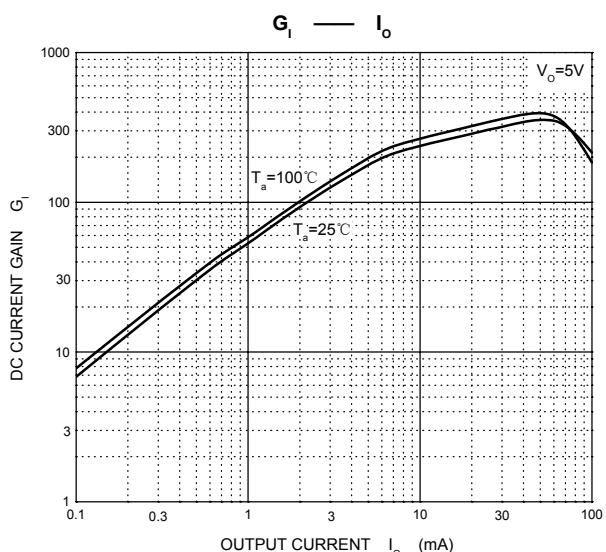
**OFF Characteristics**



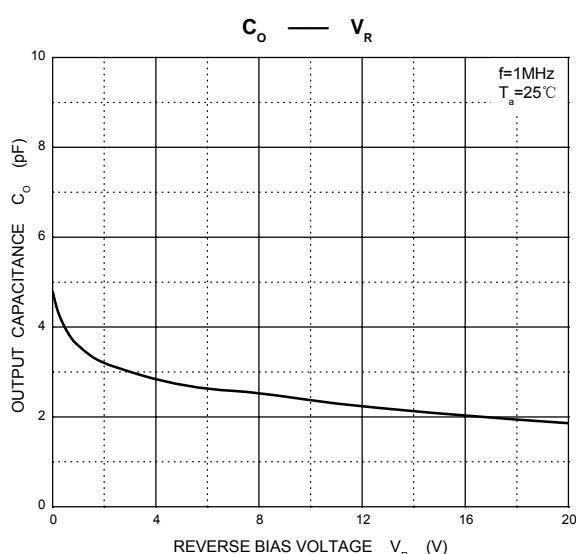
$V_{(ON)}$  —  $I_o$



$G_i$  —  $I_o$



$C_o$  —  $V_R$



$P_D$  —  $T_a$

