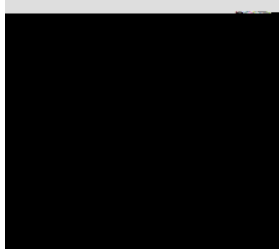




# DTC123JKA

RoHS  
COMPLIANT

BDB · 8] [ ] hU` · Hf Ubg] ghcf g · fl6i ] `



- Y U h i f` Y g
- z Moisture sensitivity level 1
- z Halogen free and RoHS compliant
- z Surface mount package ideally suited for automatic insertion

- Application
- z Signal amplification
  - z Switching circuit

- A Y W\ U b ] WU` · X U h U
- z Package SOT-23-3L
  - z Terminals Tin plated leads, solderable per J-STD-002 and JESD22-B102

## Maximum Ratings (Ta=25 Unless otherwise specified)

· h Y a	G ma V c`		
Device marking code			E42
Collector-base voltage	V <sub>CC</sub>	V	50
Collector-emitter voltage	V <sub>IN</sub>	V	-5 to +12
Collector current	I <sub>o</sub>	mA	100
Power dissipation	P <sub>D</sub>	mW	200
Junction temperature	T <sub>J</sub>		-55 to +150
Storage temperature	T <sub>STG</sub>		-55 to +150



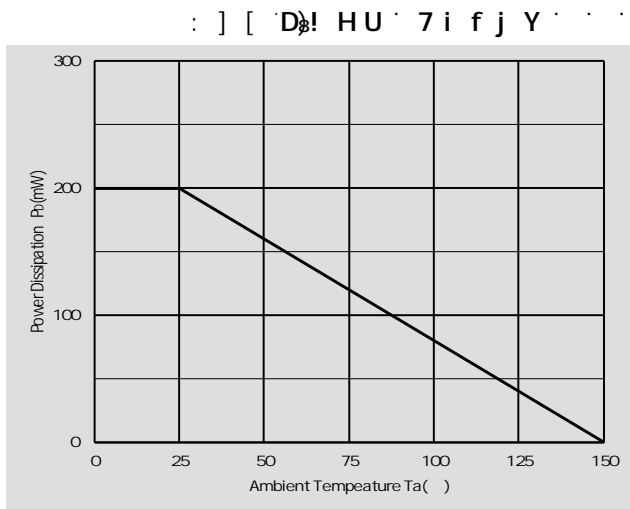
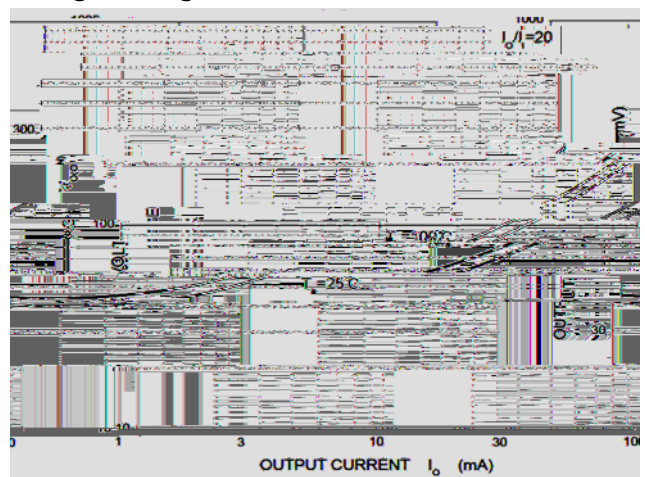
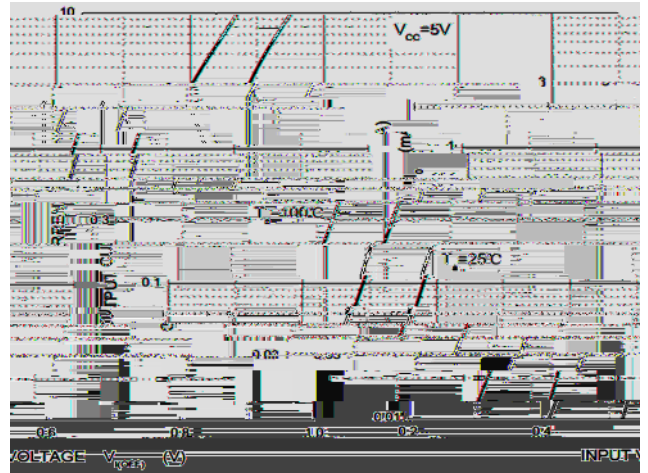
# DTC123JKA

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Symbol	Parameter	Unit	Test Conditions	Value	Min	Max
$V_{I(off)}$	Input voltage	V	$V_{CC}=5V, I_C=100\mu A$	0.5		
$V_{I(on)}$						



Characteristics





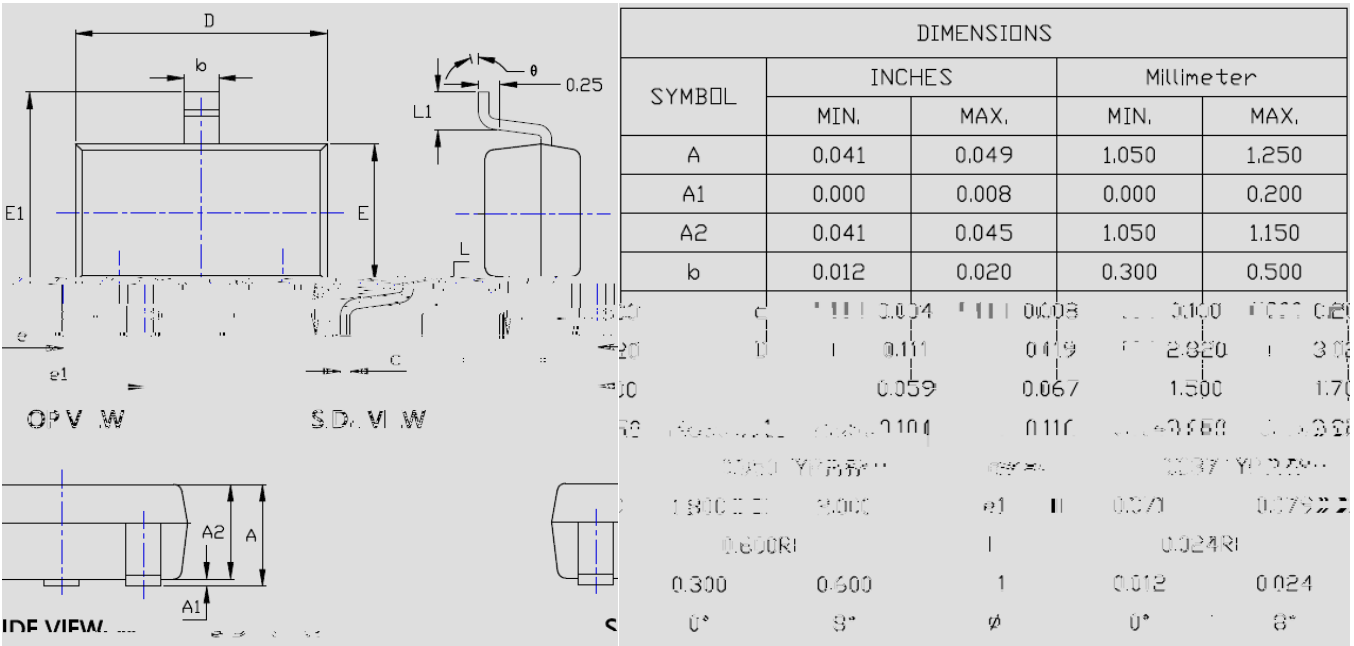
# DTC123JKA

RoHS  
COMPLIANT

## Ordering Information

Df YZYff Y	D U W _ ] Wc X Y	l b ] h ' k Y ]	A ] b ] a i a d U W _ U [ Y f	= b b Y f ' V e i U b h ] h m	C i h Y f ' W U f e i U b h ] h m f	8 Y ' ] j Y f m ' a c X Y '
DTC123JKA	F2	Approximate 0.014	3000	30000	120000	7" reel

## Outline Dimensions



## Suggested Pad Layout

