

- With built-in bias resistors
- Simplify circuit design
- Reduce a quantity of parts and manufacturing process

# **Equivalent Circuit**



# **Resistor Values/Marking Code**

Туре	R1 (KΩ)	R2 (KΩ)	Marking Code
DTA123JDC	2.2	47	8E

## Absolute Maximum Ratings (T<sub>A</sub>=25°C)

Parameter	Symbol	Value	Unit
Output Voltage	-Vo	50	V
Input Voltage	-V1	12,-5	V
Output Current	-lo	100	mA
Maximum Power Dissipation	PD	200	mW
Junction Temperature	TJ	150	°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150	°C

## DFN1x0.6-3L



1.Base 2.Emitter 3.Collector



# Electrical Characteristics (T<sub>A</sub>=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit
DC Current Gain	C	80			
at $V_0$ = -5 V, $I_0$ = -10 mA	G				
Output Cutoff Current	1	)		500	nA
at $V_0$ = -50 V	-IO(OFF)				
Input Current	I.			3.6	mA
at $V_1 = -5 V$	-11				
Output Voltage (ON)	Maran			0.3	V
at I <sub>0</sub> = -10 mA, I <sub>1</sub> = -0.5 mA	- V O(ON)				
Input Voltage (ON)	Muan			1.1	V
at $V_0$ = -0.2 V, $I_0$ = -5 mA	- V I(ON)				
Input Voltage (OFF)	Maria	0.5			V
at $V_0$ = -5 V, $I_0$ = -0.1 mA	- V I(OFF)				
Transition Frequency	f_		200		MHz
at V <sub>0</sub> = -10 V, $I_0$ = -5 mA					

# **Typical Characteristic Curves**





## Package Outline

#### DFN1x0.6-3L-0009 Dimensions in mm



#### **Ordering Information**

Device	Package	Shipping
DTA123JDC	DFN1x0.6-3L	3,000PCS/Reel&7inches

#### **Contact Information**

TANI website: http://www.tanisemi.com Email:tani@tanisemi.com

For additional information, please contact your local Sales Representative.

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#### Product Specification Statement

The product specification aims to provide users with a reference regarding various product parameters, performance, and usage. It presents certain aspects of the product's performance in graphical form and is intended solely for users to select product and make product comparisons, enabling users to better understand and evaluate the characteristics and advantages of the product. It does not constitute any commitment, warranty, or guarantee.

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