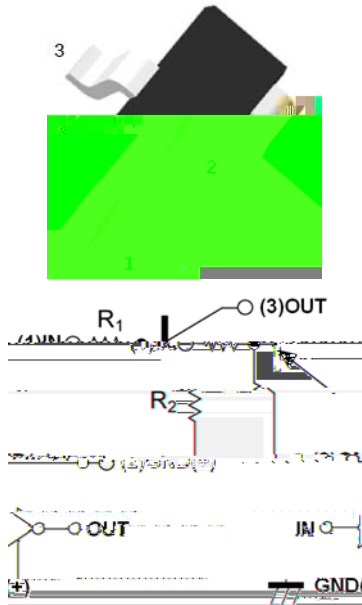


## PNP Digital Transistors (Built-in Resistors)



### Features

- High speed
- PNP
- Built-in resistors

### Application

- Switching
- Load driver

### Mechanical data

- Package TO-18

### Maximum Ratings

Item	Symbol	Unit	Conditions	Value
Collector-emitter voltage	$V_{CE}$	V		10
Collector current (continuous)	$I_{C,cont}$	mA		10
Collector current (peak)	$I_{C,pk}$	mA		10
Collector current (pulse)	$I_{C,p}$	{ mA, A }		10
Storage temperature	$T_{stg}$	{ °C, °F }		-55 to 150
Collector-emitter voltage (switching)	$V_{CE,sw}$	V		10
Collector-emitter voltage (switching, pulse)	$V_{CE,sw,p}$	V		10



# DTA114YE

## Electrical Characteristics

Item	Symbol	Unit	Conditions	Min	Typ	Max
$V_{CE(sat)}$	$X_{Q_{CE(sat)}}$	V	$V_{CE} = 0.1V, I_C = 10mA, f = 1kHz$	0.1		0.2
$V_{CE(EM)}$	$X_{Q_{CE(EM)}}$	V	$V_{CE} = 0.1V, I_C = 10mA, f = 1kHz$	0.1		0.2
$V_{CE(max)}$	$X_{Q_{CE(max)}}$	V	$I_C = 0, I_B = 0, f = 1kHz$	0.1		0.2
$V_{CE(sat)}$	$Q_{CE}$	V	$V_{CE} = 0.1V, I_C = 10mA, f = 1kHz$	0.1		0.2
$V_{CE(EM)}$	$Q_{CE(EM)}$	V	$V_{CE} = 0.1V, I_C = 10mA, f = 1kHz$	0.1		0.2
$V_{CE(max)}$	$Q_{CE(max)}$	V	$I_C = 0, I_B = 0, f = 1kHz$	0.1		0.2
$V_{CE(sat)}$	$U_{CE}$	V	$V_{CE} = 0.1V, I_C = 10mA, f = 1kHz$	0.1		0.2
$V_{CE(EM)}$	$U_{CE(EM)}$	V	$V_{CE} = 0.1V, I_C = 10mA, f = 1kHz$	0.1		0.2
$V_{CE(max)}$	$U_{CE(max)}$	V	$I_C = 0, I_B = 0, f = 1kHz$	0.1		0.2

## Thermal Characteristics

Parameter	Symbol	Unit	Value
$V_{CE(sat)}$	$U_{CE(sat)}$	°C	100
$V_{CE(EM)}$	$U_{CE(EM)}$	°C	100

### Ordering Information

DTA114YE is a high-speed, high-voltage, low-current bipolar transistor. It is suitable for use in a wide range of applications, including switching and signal processing. The device is available in a TO-18 package and is characterized by its high frequency response and low noise. For more information, please refer to the datasheet.

## Ordering Information

Preferred P/N	Packing code	Unit weight(g)	Minimum package(pcs)	Inner box quantity(pcs)	Outer carton quantity(pcs)	Delivery mode
DTA114YE	0G	0.1	1000	10000	100000	Standard

# DTA114YE

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## Characteristics

Fig 1 ON Characteristics

Fig 2 OFF Characteristics

V  
Fig 3  $V_{O(ON)}$

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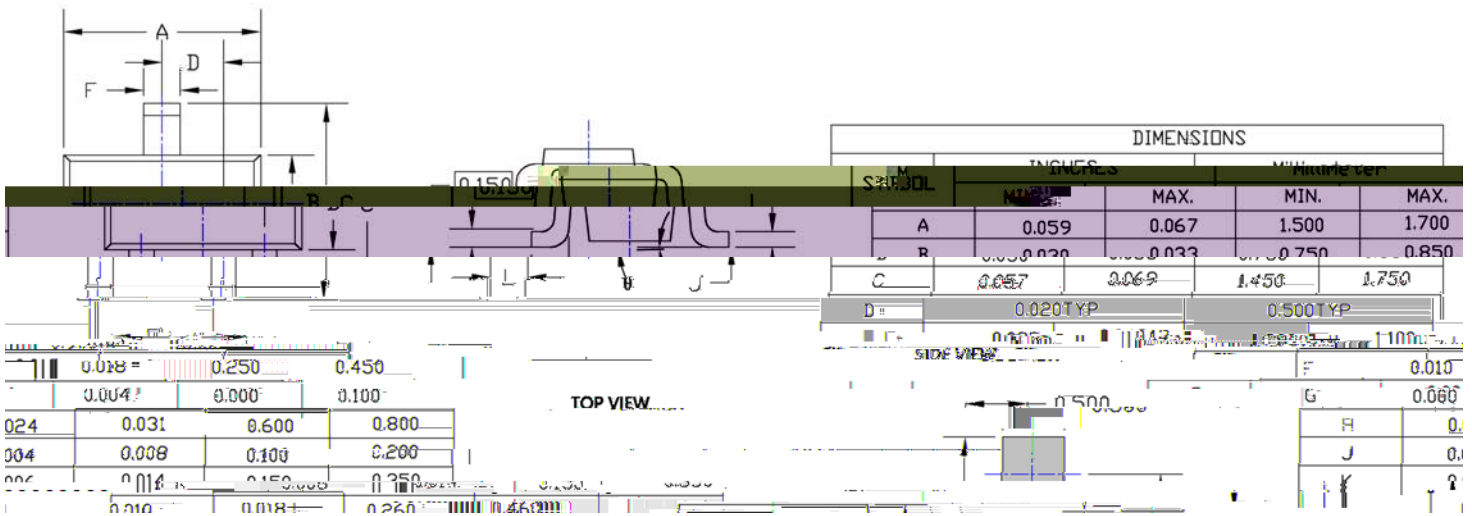
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# DTA114YE

## Outline Dimensions



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