



Micro Commercial Components

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2N5832

## Features

- Through Hole Package
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL rating 1
- Marking: Type Number
- Lead Free Finish/Rohs Compliant ("P" Suffix designates Compliant. See ordering information)

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
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### OFF CHARACTERISTICS

$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ( $I_C=300\text{mA}$ )	140		Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage	160		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage	5.0		Vdc
$I_{CBO}$	Collector-Base Breakdown Current ( $V_{CE}=120\text{Vdc}$ )		50	nAdc

### ON CHARACTERISTICS

$h_{FE}$	DC Current Gain*  ( $I_C=10\text{mA}$ , $V_{CE}=5.0\text{Vdc}$ )	175	500	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ( $I_C=10\text{mA}$ )		0.2	Vdc

### SMALL-SIGNAL CHARACTERISTICS

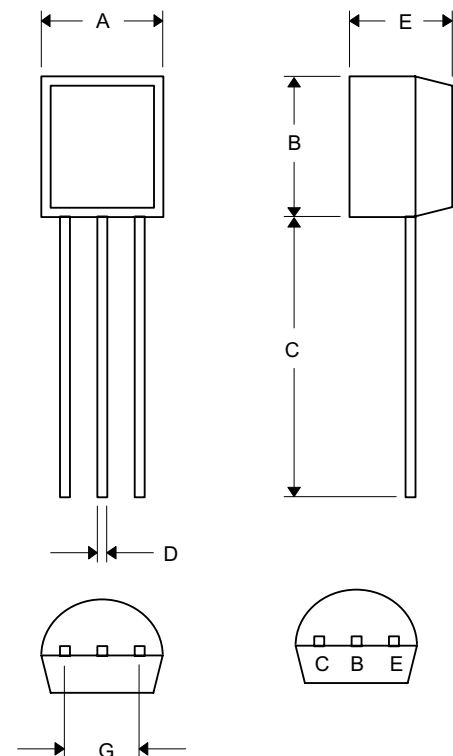
$f_T$	Current Gain-Bandwidth Product ( $I_C=10\text{mA}$ )	100		MHz
$C_{ob}$	Output Capacitance		4.0	pF
NF	Noise Figure		----	dB

**Note:** Maximum at typical JEDEC condition

$V_{(BR)CER}$  @  $R=10\text{ OHMS}$

## Plastic-case Bipolar NPN Transistor

TO-92



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.170	.190	4.33	4.83	
B	.170	.190	4.30	4.83	
C	.550	.590	13.97	14.97	
D	.010	.020	0.36	0.56	
E	.130	.160	3.30	3.96	
G	.096	.104	2.44	2.64	

[www.mccsemi.com](http://www.mccsemi.com)

## Ordering Information

Device	Packing
(Part Number)-AP	Ammo Packing; 2Kpcs/AmmoBox
(Part Number)-BP	Bulk; 1Kpcs/Bag

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