

M·C·C

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	
$V_{CE(\text{sat})}$	Collector-Emitter Saturation Voltage ($I_C=10\text{mA}$)		0.2	Vdc

SMALL-SIGNAL CHARACTERISTICS

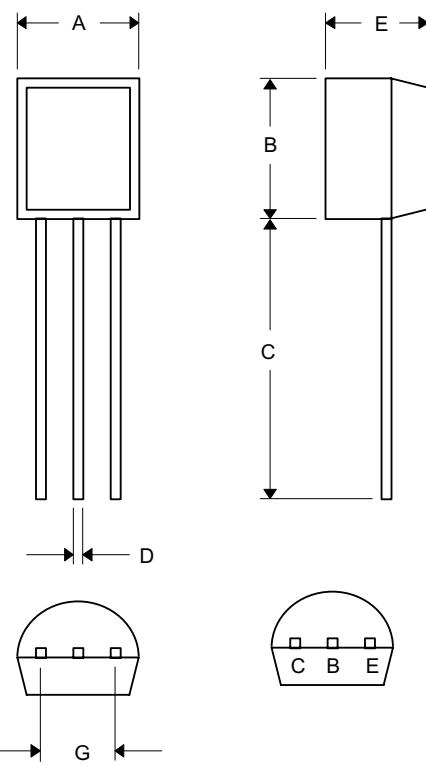
f_T	Current Gain-Bandwidth Product ($I_C=10\text{mA}$)	100		MHz
C_{ob}	Output Capacitance		4.0	pF
NF	Noise Figure	---		dB

Note: Maximum at typical JEDEC condition

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

Plastic-case Bipolar NPN Transistor

TO-92



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

TM

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Ordering Information

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

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