

M.C.C.

Micro Commercial Components



Micro Commercial Components
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2SC2216**Features**

- Capable of 300m Watts of Power Dissipation.
- Collector-current : $I_{CM}=50\text{mA}$
- Collector-base Voltage: $V_{(BR)CBO}= 50\text{V}$
- Operating and storage junction temperature range: -55°C to $+150^{\circ}\text{C}$
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P" Suffix designates Compliant. See ordering information)

**NPN Silicon
 Plastic-Encapsulate
 Transistor**

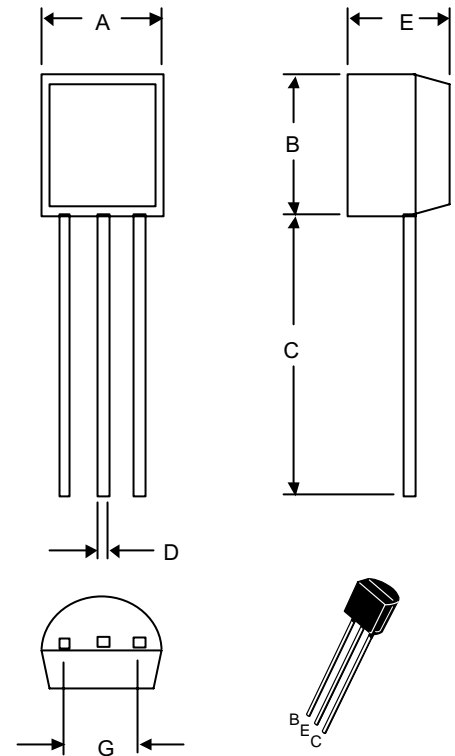
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=10\text{mA}$, $I_B=0$)	45	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=100\mu\text{A}$, $I_E=0$)	50	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=100\mu\text{A}$, $I_C=0$)	4.0	---	Adc
I_{CBO}	Collector Cut-off Current ($V_{CB}=50\text{Vdc}$, $I_E=0$)	---	0.1	μA
I_{EBO}	Emitter Cut-off Current ($V_{EB}=4.0\text{Vdc}$, $I_C=0$)	---	0.1	μA

ON CHARACTERISTICS

h_{FE}	DC Current Gain ($I_C=12.5\text{mA}$, $V_{CE}=12.5\text{Vdc}$)	40	140	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=15\text{mA}$, $I_B=1.5\text{mA}$)	---	0.2	Vdc
$V_{(BE)sat}$	Base-Emitter Saturation Voltage ($I_C=15\text{mA}$, $I_B=1.5\text{mA}$)	---	1.5	Vdc
fT	Transition Frequency ($V_{CE}=12.5\text{Vdc}$, $I_C=12.5\text{mA}$, $f=100\text{MHz}$)	300	---	MHz

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



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Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 100Kpcs/Carton

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