



Micro Commercial Components



Micro Commercial Components
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BF420
BF422

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Capable of 0.83Watts of Power Dissipation.
- Collector-current 0.1A
- Collector-base Voltage: BF420 300V
 BF422 250V
- Operating and storage junction temperature range: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: Type Number

**NPN Silicon
 Plastic-Encapsulate
 Transistor**

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
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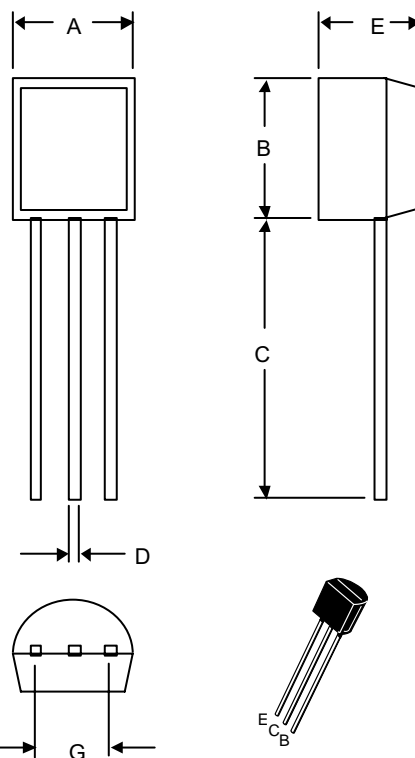
OFF CHARACTERISTICS

$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C=1.0mA$, $I_B=0$)	BF420 300 BF422 250	---	Vdc
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C=100\mu A$, $I_E=0$)	BF420 300 BF422 250	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E=100\mu A$, $I_C=0$)	5.0	---	Adc
I_{CBO}	Collector Cutoff Current ($V_{CB}=200Vdc$, $I_E=0$)	---	0.01	μA
I_{EBO}	Emitter Cutoff Current ($V_{EB}=5.0Vdc$, $I_C=0$)	---	0.05	μA

ON CHARACTERISTICS

h_{FE}	DC Current Gain ($I_C=25mA$, $V_{CE}=20Vdc$)	50	---	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=30mA$, $I_B=5.0mA$)	---	0.6	Vdc
fT	Transition Frequency ($V_{CE}=10Vdc$, $I_C=10mA$, $f=100MHz$)	60	---	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	



TM

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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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