



Micro Commercial Components



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PN2222-L PN2222-H

NPN General Purpose Amplifier

Features

- Through Hole Package
- Capable of 625mWatts of Power Dissipation
- Collector-current :0.6A
- Operating and storage junction temperature range:
Tj, Tstg: -55°C to +150°C
- Marking: Type number
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

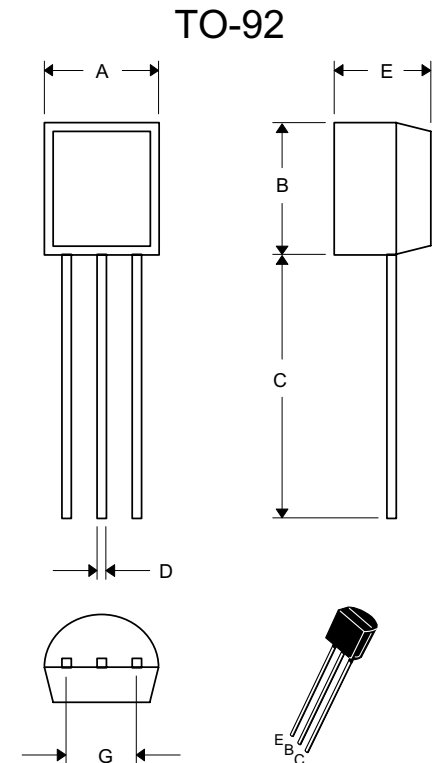
Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =10mA, I _B =0)	30		Vdc
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =10μA, I _E =0)	60		Vdc
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _E =10μA, I _C =0)	5.0		Vdc
I _{CBO}	Base Cutoff Current (V _{CB} =50Vdc, I _E =0)		0.1	μA
I _{CEO}	Collector Cutoff Current (V _{CE} =3.0Vdc, I _C =0)		0.1	μA

ON CHARACTERISTICS

h _{FE}	DC Current Gain			
h _{FE(1)}	(I _C =1.0mA, V _{CE} =10Vdc)	100	300	
h _{FE(2)}	(I _C =150mA, V _{CE} =10Vdc)	60		
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =500mA, I _B =50mA)		1.0	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage (I _C =500mA, I _B =50mA)		2.0	Vdc
f _T	Transition frequency (I _C =20mA, V _{CE} =20Vdc, f=100MHz)	300		MHz

CLASSIFICATION OF h_{FE(1)}

Rank	L	H
Range	100-200	200-300



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.175	.185	4.45	4.70	
B	.175	.185	4.45	4.70	
C	.500	-----	12.70	-----	
D	.016	.020	0.41	0.56	
E	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	

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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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