

Micro Commercial Components

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Features

- Lead Free Finish/Rohs Compliant ("P"Suffix designates Compliant. See ordering information) Capable of 0.9Watts of Power Dissipation.
- Collector-current -1.0A
- Collector-base Voltage -160V
- Operating and storage junction temperature range: -55°C to +150°C
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL rating 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units		
OFF CHARAC	OFF CHARACTERISTICS					
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I _C =-1.0mAdc, I _B =0)	-160		Vdc		
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I _C =-100uAdc, I _E =0)	-160		Vdc		
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I _E =-10mAdc, I _C =0)	-6.0		Vdc		
I _{CBO}	Collector Cutoff Current (V _{CB} =-150Vdc, I _E =0)		-1.0	uAdc		
I _{CEO}	Collector Cutoff Current (V _{CB} =-120Vdc, I _E =0)		-10	uAdc		
I _{EBO}	Emitter Cutoff Current (V _{EB} =-6.0Vdc, I _C =0)		-1.0	uAdc		

ON CHARACTERISTICS

h _{FE(1)}	DC Current Gain	65	310	
	(I _C =-200mAdc, V _{CE} =-5.0Vdc)			
h _{FE(2)}	DC Current Gain			
	$(I_C=-50 \text{mAdc}, V_{CE}=-5.0 \text{Vdc})$			
V _{CE(sat)}	Collector-Emitter Saturation Voltage		-1.5	Vdc
, ,	(I _C =-500mAdc, I _B =-50mAdc)			
V_{BE}	Base-Emitter Saturation Voltage		-0.75	Vdc
	(Ic=-5.0mAdc, Vc==-5.0Vdc)			

SMALL-SIGNAL CHARACTERISTICS

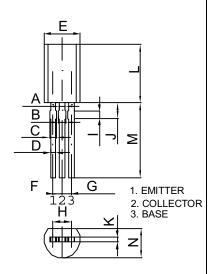
f _T	Transistor Frequency	-15		MHz
	$(I_C=-200 \text{mAdc}, V_{CE}=-5.0 \text{Vdc},$			
	f-30MHz)			

CLASSIFICATION OF HEED

Rank	R	0	Y
Range	60-120	120-200	200-300

PNP Epitaxial Silicon Transistor

TO-92MOD



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α		.030		.750	
В		.039		1.00	
С		.031		.80	
D		.024		0.60	
Е		.201		5.10	
F	.05	0	1.	.27	
G	.05	0	1.	.27	
Н	.100		2	.54	
	.03	9	1.	.00	
J		.087		2.20	
K		.024		.60	
Ĺ		.323		8.20	
M		.413		10.50	
N		.161		4.10	

www.mccsemi.com



Ordering Information

Device	Packing
(Part Number)-BP	Bulk;500pcs/Bag

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