



Micro Commercial Components
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**M8550-B
 M8550-C
 M8550-D**

Features

- Capable of 0.625Watts($T_{amb}=25^{\circ}C$) of Power Dissipation.
- Collector-current 0.8A
- Collector-base Voltage 40V
- Operating and storage junction temperature range: $-55^{\circ}C$ to $+150^{\circ}C$
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

PNP Silicon Plastic-Encapsulate Transistor

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C = -100\mu A, I_E = 0$)	-40	---	Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C = -0.1mA, I_E = 0$)	-25	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E = -100\mu A, I_C = 0$)	-6.0	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB} = -35Vdc, I_E = 0$)	---	-0.1	μA
I_{CEO}	Collector Cutoff Current ($V_{CE} = -20Vdc, I_E = 0$)	---	-0.1	μA

ON CHARACTERISTICS

$h_{FE(1)}$	DC Current Gain ($I_C = -5mA, V_{CE} = -1.0Vdc$)	45		
$h_{FE(2)}$	DC Current Gain ($I_C = -100mA, V_{CE} = -1.0Vdc$)	80	300	
$h_{FE(3)}$	DC Current Gain ($I_C = -800mA, V_{CE} = -1.0Vdc$)	40		
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C = -800mA, I_E = -80mA$)	---	-0.5	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage ($I_C = -800mA, I_E = -80mA$)	---	-1.2	Vdc

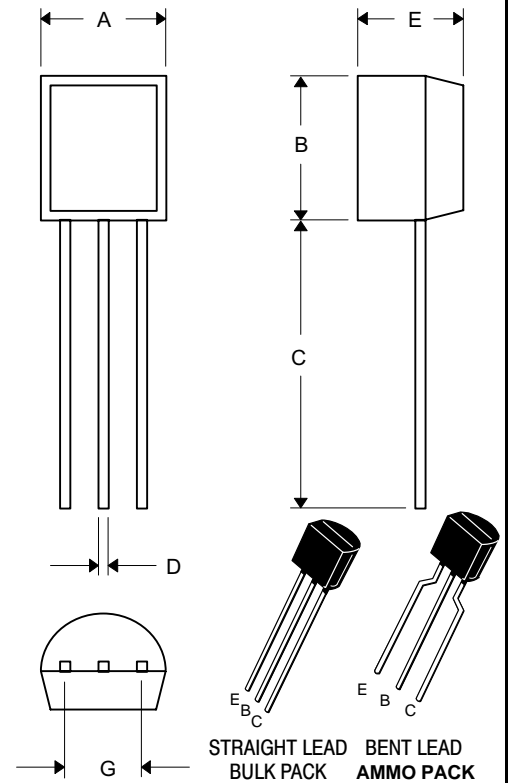
SMALL-SIGNAL CHARACTERISTICS

f_T	Transistor Frequency ($I_C = -20mA, V_{CE} = -6.0Vdc, f = 30MHz$)	150	---	MHz
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CLASSIFICATION OF $h_{FE(2)}$

Rank	B	C	D
Range	80-160	120-200	160-300

TO-92

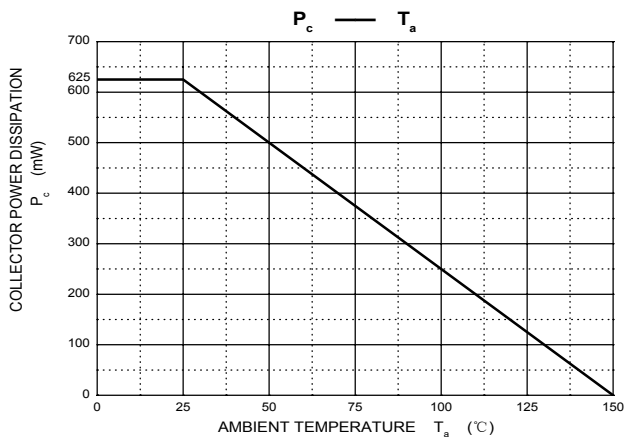
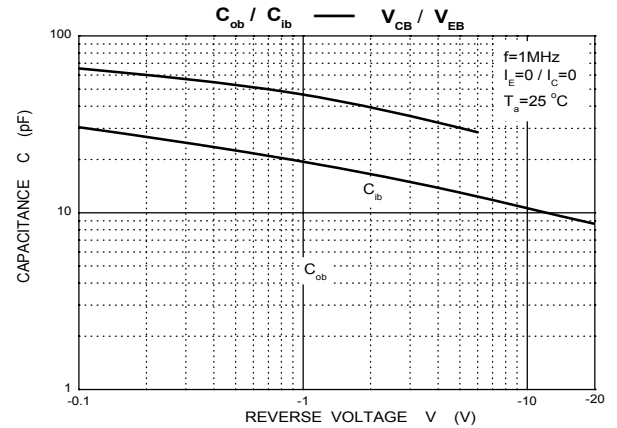
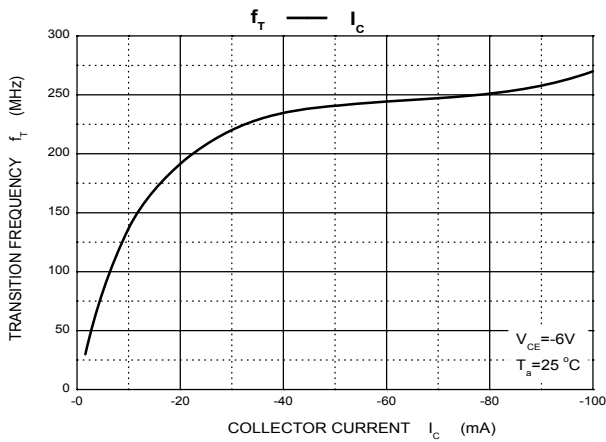
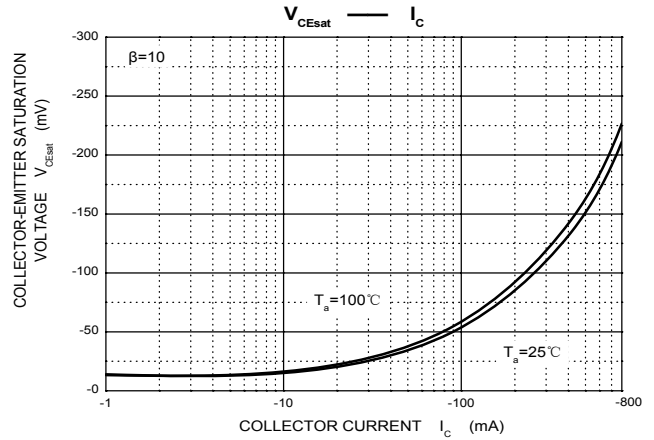
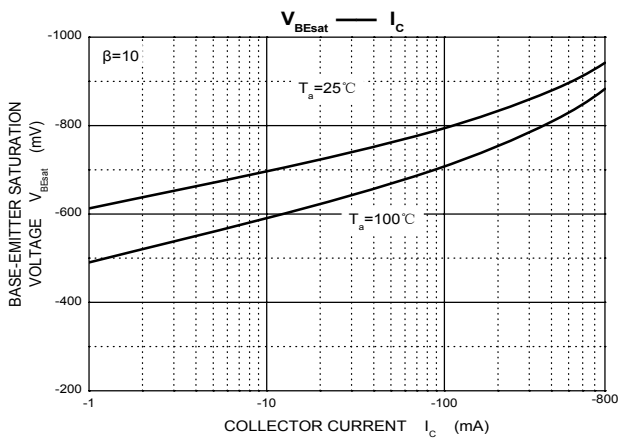
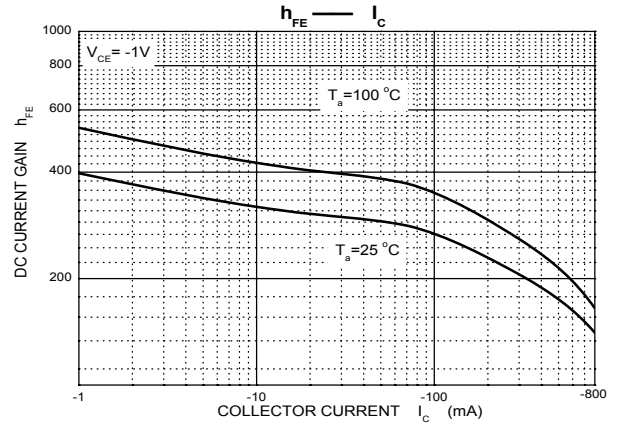
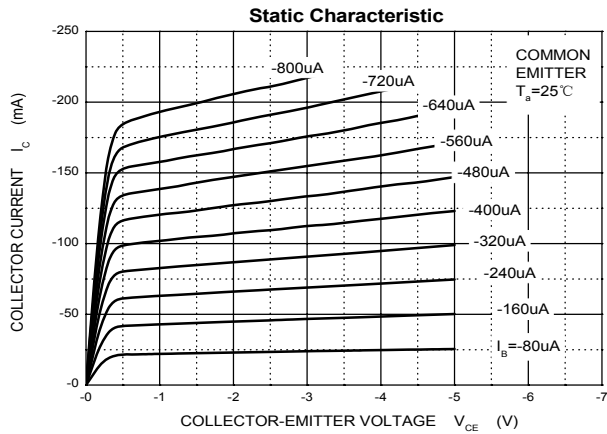


DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.175	.185	4.45	4.70	
B	.175	.185	4.45	4.70	
C	.500	---	12.70	---	
D	.016	.020	0.41	0.63	
E	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead
	.173	.220	4.40	5.60	Bent Lead

* For ammo packing detailed specification, click here to visit our website of product packaging for details.

Typical Characteristics





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Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 20Kpcs/Carton
Part Number-BP	Bulk: 100Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-AP-HF

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