

Micro Commercial Components



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Features

- TO-92 Plastic-Encapsulate Transistors
- Capable of 1.0Watts(Tamb=25°C) of Power Dissipation.
- Collector-current 1.5A •
- Collector-base Voltage 40V •
- Operating and storage junction temperature range: -55°C to +150°C •
- Marking : SS8050 •
- Lead Free Finish/RoHS Compliant ("P" Suffix designates • RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability . Classification Rating 94V-0 and MSL Rating 1
- Halogen free available upon request by adding suffix "-HF"

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units			
OFF CHARACTERISTICS							
V _{(BR)CBO}	Collector-Base Breakdown Voltage 40 (t_=100uAdc, t_=0)			Vdc			
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (ᡶ=0.1mAdc, ┠=0)		Vdc				
V _{(BR)EBO}	Emitter-Base Breakdown Voltage 5.0 Vo(l_{E} =100uAdc, l_{C} =0)						
I _{сво}	Collector Cutoff Current (V _{CB} =40Vdc, <u>k</u> =0)		0.1	uAdc			
ICEO	Collector Cutoff Current (V _{CE} =20Vdc, <u>b</u> =0)		0.1	uAdc			
Ево	Emitter Cutoff Current (V _{EB} =5.0Vdc, <u>L</u> =0)		0.1	uAdc			
ON CHARACTERISTICS							
h _{FE(1)}	DC Current Gain (t=100mAdc, V _{CE} =1.0Vdc)	120	300				
h _{FE(2)}	DC Current Gain (t _c =800mAdc, V _{ce} =1.0Vdc)	40					

Collector-Emitter Saturation Voltage

(**b**=800mAdc, **b**=80mAdc)

(L=800mAdc, L=80mAdc) Base- Emitter Voltage

Transistor Frequency

SMALL-SIGNAL CHARACTERISTICS

CLASSIFICATION OF HEELD Rank

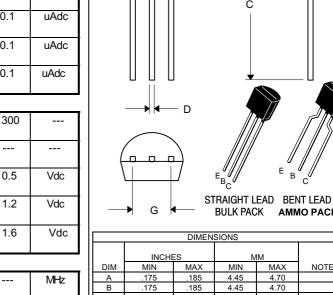
Range

Base-Emitter Saturation Voltage

(b=50mAdc, V_{CE}=10Vdc, f=30MHz)

С

120-200



	DIM	MIN	MAX	MIN	MAX	NOTE	
	Α	.175	.185	4.45	4.70		
	В	.175	.185	4.45	4.70		
	С	.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	
	G	.173	.220	4.40	5.60	Bent Lead	
	* For ammo packing detailed specification, click here to visit our website						

SS8050-C

SS8050-D

NPN Silicon

Transistors

TO-92

в

E -

site of product packaging for details

www.mccsemi.com

D

160-300

190

Revision: D

V_{CE(sat)}

V_{BE(sat)}

VEB

 \mathbf{f}_{T}

AMMO PACK



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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