



Micro Commercial Components

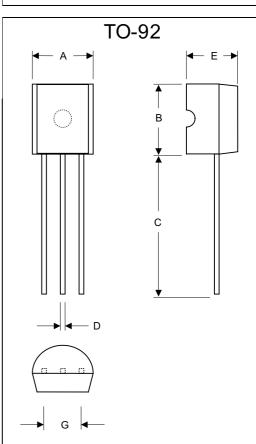
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 \$8050-B \$8050-C \$8050-D

Features

- TO-92 Plastic-Encapsulate Transistors
- Capable of 0.625Watts(Tamb=25°C) of Power Dissipation.
- Collector-current 0.5A
- Collector-base Voltage 40V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking: S8050
- 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

NPN Silicon Transistors



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.170	.190	4.33	4.83	
В	.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	
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Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHARAC	OFF CHARACTERISTICS				
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (b=100uAdc, l∈=0)	40		Vdc	
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (b=0.1mAdc, b=0)	25	1	Vdc	
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (\downarrow =100uAdc, \downarrow c=0)	5.0	-	Vdc	
Сво	Collector Cutoff Current (V _{CB} =40Vdc, ½=0)		0.1	uAdc	
PEO	Collector Cutoff Current (V _{CE} =20Vdc, _b =0)		0.1	uAdc	
l _{EBO}	Emitter Cutoff Current (V _{EB} =3.0Vdc,		0.1	uAdc	

ON CHARACTERISTICS

h _{FE(1)}	DC Current Gain	85	300	
	(b=50mAdc, Vce=1.0Vdc)			
h _{FE(2)}	DC Current Gain	50		
	(⊱=500mAdc, V _{CE} =1.0Vdc)			
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage		0.6	Vdc
	(b=500mAdc, b=50mAdc)			
$V_{BE(sat)}$	Base-Emitter Saturation Voltage		1.2	Vdc
	(l _c =500mAdc, l _B =50mAdc)			
V _{EB}	Base- Emitter Voltage		1.4	Vdc
	(I _E =100mAdc)			

SMALL-SIGNAL CHARACTERISTICS

f _T	Transistor Frequency	150		MHz
	(ξ =20mAdc, V_{CE} =6.0Vdc, f=30MHz)			

CLASSIFICATION OF H

Rank	В	С	D
Range	85-150	120-200	160-300



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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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