



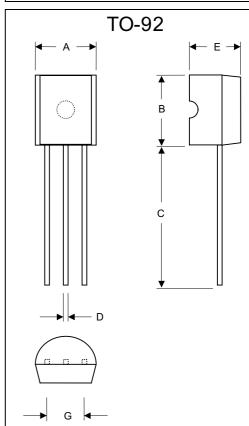
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 8050SS-C 8050SS-D

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: 8050SS
- 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

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	
С	.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	
	-				

| Symbol | Parameter | Min | Max | Units |

- j	1 0.1 0.11 0.10 1.01			
OFF CHARACTERISTICS				
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (⊱=100uAdc, l ₌ =0)	40		Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (b=0.1mAdc, b=0)	25		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (£=100uAdc, l _c =0)	5.0		Vdc
Сво	Collector Cutoff Current (V _{CB} =40Vdc, ½=0)		0.1	uAdc
I _{CEO}	Collector Cutoff Current (V _{CE} =20Vdc, _b =0)		0.1	uAdc
l _{ЕВО}	Emitter Cutoff Current $(V_{EB}=5.0Vdc, \xi=0)$		0.1	uAdc
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ON CHARACTERISTICS

h _{FE(1)}	DC Current Gain	120	300	
	($b=100$ mAdc, $V_{CE}=1.0$ Vdc)			
h _{FE(2)}	DC Current Gain	40		
	(├=800mAdc, V _{CE} =1.0Vdc)			
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage		0.5	Vdc
	(├=800mAdc, ├=80mAdc)			
$V_{BE(sat)}$	Base-Emitter Saturation Voltage		1.2	Vdc
	(├=800mAdc, ├=80mAdc)			
V _{BE}	Base- Emitter Voltage		1.0	Vdc
	(l _c =10mAdc,VcE=1V)			

SMALL-SIGNAL CHARACTERISTICS

_					
I	f⊤	Transistor Frequency	100		MHz
ı		($b=50$ mAdc, $V_{CE}=10$ Vdc, $f=30$ MHz)			

CLASSIFICATION OF HEED

Rank	С	D
Range	120-200	160-300

www.mccsemi.com

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Revision: A 2011/03/23



Micro Commercial Components

Ordering Information:

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 100Kpcs/Carton

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