

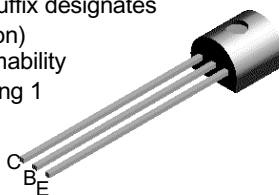


Micro Commercial Components

Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

Features

- TO-92 Plastic-Encapsulate Transistors
- Capable of 0.45Watts($T_{amb}=25^{\circ}C$) of Power Dissipation.
- Collector-current -0.1A
- Collector-base Voltage -50V
- Operating and storage junction temperature range: $-55^{\circ}C$ to $+150^{\circ}C$
- Marking: S9015
- 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



Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
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OFF CHARACTERISTICS

$V_{(BR)CBO}$	Collector-Base Breakdown Voltage ($I_C = -100\mu A$, $I_E = 0$)	-50	---	Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C = -1.0mA$, $I_B = 0$)	-45	---	Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage ($I_E = -100\mu A$, $I_C = 0$)	-5.0	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB} = -50V$, $I_E = 0$)	---	-0.05	μA
I_{EBO}	Emitter Cutoff Current ($V_{EB} = -5.0V$, $I_C = 0$)	---	-0.05	μA

ON CHARACTERISTICS

h_{FE}	DC Current Gain ($I_C = -1.0mA$, $V_{CE} = -5.0V$)	60	1000	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C = -100mA$, $I_B = -10mA$)	---	-0.3	Vdc
$V_{BE(sat)}$	Base-Emitter Saturation Voltage ($I_C = -100mA$, $I_B = -10mA$)	---	-1.0	Vdc

SMALL-SIGNAL CHARACTERISTICS

f_T	Transistor Frequency ($I_C = -10mA$, $V_{CE} = -5.0V$, $f = 30MHz$)	150	---	MHz
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CLASSIFICATION OF h_{FE}

Rank	B	C	D
Range	100-300	200-600	400-1000

S9015

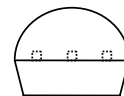
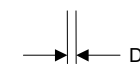
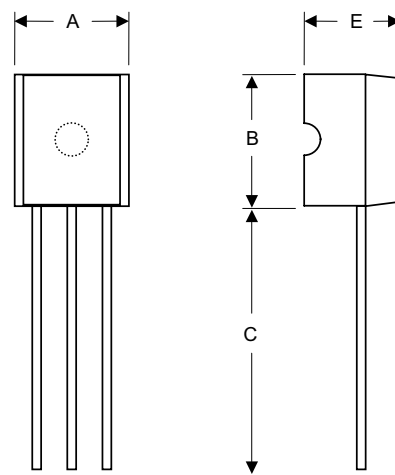
S9015-B

S9015-C

S9015-D

PNP Silicon Transistors

TO-92



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.170	.190	4.33	4.83	
B	.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	.010	.104	2.44	2.64	

www.mccsemi.com



Micro Commercial Components

Ordering Information

Device	Packing
(Part Number)-AP	Tape&Reel;2Kpcs/Box
(Part Number)-BP	Bulk;1Kpcs/Bag

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