

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 S9015-B S9015-C S9015-D

Features

- TO-92 Plastic-Encapsulate Transistors
- Capable of 0.45Watts(Tamb=25°C) of Power Dissipation.
- Collector-current -0.1A
- Collector-base Voltage -50V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking: S9015
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 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	-50		Vdc	
	(l _c = -100µAdc, l _∈ =0)				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	-45		Vdc	
	$(I_{c}=-1.0\text{mAdc}, I_{B}=0)$				
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage	-5.0		Vdc	
	(_E = -100µAdc, l _C =0)				
I _{CBO}	Collector Cutoff Current		-0.05	μAdc	
	(V _{CB} = -50Vdc,				
Ево	Emitter Cutoff Current		-0.05	μAdc	
	$(V_{EB} = -5.0 Vdc, I_{C} = 0)$				

ON CHARACTERISTICS

h_{FE}	DC Current Gain	60	1000	
	(├= -1.0mAdc, V _{CE} = -5.0Vdc)			
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage		-0.3	Vdc
(, , ,	(b= -100mAdc, b= -10mAdc)			
$V_{BE(sat)}$	V _{BE(sat)} Base-Emitter Saturation Voltage		-1.0	Vdc
	(l _c = -100mAdc, l _B = -10mAdc)			

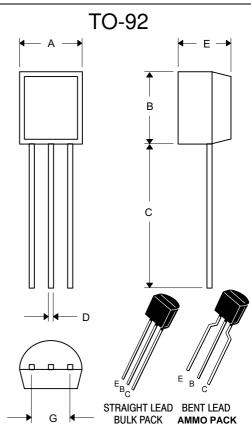
SMALL-SIGNAL CHARACTERISTICS

	f⊤	Transistor Frequency	150		MHz
		(k=-10mAdc, V _{cr} =-5.0Vdc, f=30MHz)			

CLASSIFICATION OF H_{FE}

Rank	В	С	D
Range	100-300	200-600	400-1000

PNP Silicon Transistors



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.175	.185	4.45	4.70	
В	.175	.185	4.45	4.70	
C	.500		12.70		
D	.016	.020	0.41	0.63	
Ш	.135	.145	3.43	3.68	
Ð	.095	.105	2.42	2.67	Straight Lead
u	.173	.220	4.40	5.60	Bent Lead

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



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Ordering Information:

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

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

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