





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

Features

- Halogen free available upon request by adding suffix "-HF"
- Collector of 0.9Watts of Power Dissipation.
- Collector-current -2.0A
- Operating and storage junction temperature range: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)

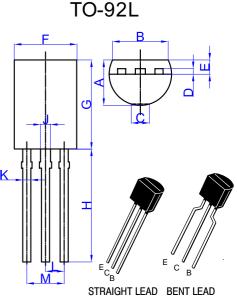
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units		
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _c =-10mAdc, I _B =0)	-50		Vdc		
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _c =-100uAdc, I _E =0)	-50		Vdc		
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _E =-100mAdc, I _C =0)	-5.0		Vdc		
I _{CBO}	Collector Cutoff Current $$ (V_{CB} =-50Vdc, I _E =0)		-1.0	uAdc		
I _{EBO}	Emitter Cutoff Current (V _{EB} =-5.0Vdc, I _C =0)		-1.0	uAdc		
h _{FE(1)}	DC Current Gain (I _c =-0.5Adc, V _{CE} =-2.0Vdc)	70	240			
h _{FE(2)}	DC Current Gain (I _C =-1.5Adc, V _{CE} =-2.0Vdc)	40				
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =-1Adc, I _B =-50mAdc)		-0.5	Vdc		
V _{BE(sat)}	Base-Emitter Saturation Voltage (I _c =-1.0Adc, I _B =-50mA)		-1.2	Vdc		
f _T	Transistor Frequency (I _c =-500mAdc, V _{CE} =-2.0Vdc,)	100(Typ)		MHz		
C _{ob}	Collector output capacitance (I _E =0, V _{CB} =-10Vdc,f=1MHz)	40(Тур)		pF		
t _{on}	Turn-0n time (I _{B1} =-I _{B2} =-0.05, V _{CC} =-30Vdc,I _C =-1Adc)	0.1(Typ)		us		
ts	Storage time (I _{B1} =-I _{B2} =-0.05, V _{CC} =-30Vdc,I _C =-1Adc)	1.0(Typ)		us		
tf	Fall time (I _{B1} =-I _{B2} =-0.05, V _{CC} =-30Vdc,I _C =-1Adc)	0.1(Typ)		us		

PNP Plastic-Encapsulate Transistor

2SA1020L-O

2SA1020L-Y



TRAIGHT LEAD BENT LEAD BULK PACK AMMO PACK

DIMENSIONS						
	N	IM	INCHES			
DIM	MIN	MAX	MIN	MAX	NOTE	
А	3.700	4.100	.146	.161		
В	4.000	-	.157	I		
С	0.000	0.300	0.000	0.012		
D	0.350	0.450	.014	.018		
Е	1.280	1.580	.050	.062		
F	4.700	5.100	.185	.201		
G	7.800	8.200	.307	.323		
Н	13.80	14.20	.543	.559		
J	.600	.800	.024	.031		
K	0.350	.550	.014	.022		
L	1.270		.050		Straight Lead	
L	2.200	2.800	.086	.110	Bent Lead	
М	2.440	2.640	.096	.104	Straight Lead	
	4.400	5.600	.173	.220	Bent Lead	

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

www.mccsemi.com

CLASSIFICATION OF HIE (1)

Rank	0	Y				
Range	70-140	120-240				



Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box
Part Number-BP	Bulk: 50Kpcs/Carton

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

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