

**Micro Commercial Components** 



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

## **Features**

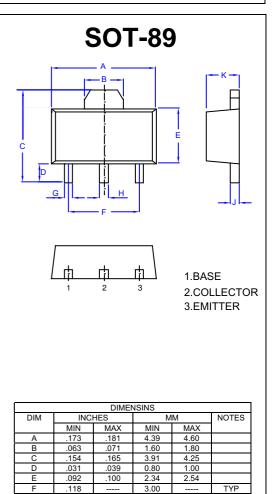
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Power dissipation:  $P_{CM} = 0.5W(T_{amb}=25^{\circ}C)$
- Collector current:  $I_{CM} = -1A$
- Collector-base voltage:  $V_{(BR)CBO} = -40V$
- Operating and storage junction temperature range

# T<sub>J</sub>, T<sub>stg</sub>: -55 $^{\circ}$ to + 150 $^{\circ}$ • Halogen free available upon request by adding suffix "-HF" Electrical Characteristics @ 25 $^{\circ}$ Unless Otherwise Specified

Symbol	Parameter	Min	Тур	Max	Unit			
V <sub>CEO</sub>	Collector-Emitter Voltage $(I_C=-50 \ \mu A, I_E=0)$	-32			V			
V <sub>CBO</sub>	Collector-Base Voltage $(I_C=-1 \ \mu A, I_B=0)$	-40			V			
V <sub>EBO</sub>	Emitter-Base Voltage (I <sub>E</sub> =-50 µ A, I <sub>C</sub> =0)	-5.0			V			
I <sub>CBO</sub>	Collector cut-off Current $(V_{CB}=-20V, I_{E}=0)$			-0.5	μA			
I <sub>EBO</sub>	Emitter cut-off Current $(V_{EB}=-5V, I_{C}=0)$			-0.5	μA			
h <sub>FE</sub>	DC current gain (V <sub>CE</sub> =-2V, I <sub>C</sub> =-0.1A)	82		390				
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage $(I_C=-2A, I_B=-0.1A)$			-0.5	V			
f <sub>T</sub>	Transition Frequency (V <sub>CE</sub> =2.0Vdc, I <sub>C</sub> =0.5Adc)		150		MHz			
Cob	Collector output capacitance (V <sub>CB</sub> =-10V, I <sub>E</sub> =0, f=1MHz)		20	30				

# 2SB1132-P 2SB1132-Q 2SB1132-R

# **PNP Plastic-Encapsulate Transistors**



.013

.015

.015

05

G

.019

.021

.016

.063

0.33

0.38

0.38

1 40

0.48

0.53

0.41

1.60

## **CLASSIFICATION OF h**

Rank	Р	Q	R			
Range	82-180	120-270	180-390			
Marking	BAP	BAQ	BAR			

### **Revision: B**



## **Ordering Information :**

Device	Packing	
Part Number-TP	Tape&Reel 1 Kpcs/Reel	

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

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# www.mccsemi.com

**Revision: B**