

Micro Commercial Components

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

Features

- Lead Free Finish/Rohs Compliant ("P"Suffix designates
- Compliant. See ordering information) Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL rating 1
- Marking: type number
- Power dissipation: $P_{CM} = 0.2W(T_{amb}=25^{\circ}C)$
- Collector current: $I_{CM} = -0.15A$
- Collector-base voltage: V(BR)CBO =-60V
- Operating and storage junction temperature range
 - T_J, T_{stg}: -55℃ to + 150℃

Electrical Characteristics @ 25° C Unless Otherwise Specified

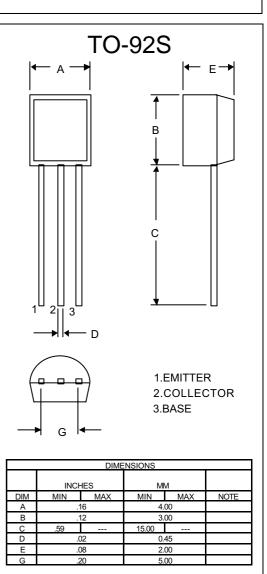
Symbol	Parameter	Min	Тур	Max	Unit
V_{CEO}	Collector-Emitter Voltage (I _c =-50 µ A, I _E =0)	-50			V
V _{CBO}	Collector-Base Voltage (I _c =-1 µ A, I _B =0)	-60			V
V_{EBO}	Emitter-Base Voltage (I _E =-50 μ A, I _C =0)	-6.0			V
I _{CBO}	Collector cut-off Current $(V_{CB}=-20V, I_{E}=0)$			-0.1	μA
I _{EBO}	Emitter cut-off Current (V _{EB} =-5V, I _C =0)			-0.1	μA
h_{FE}	DC current gain (V _{CE} =-2V, I _C =-0.1A)	120		560	
V _{CE(sat)}	Collector-Emitter Saturation Voltage $(I_C=-2A, I_B=-0.1A)$			-0.5	V
f⊤	Transition Frequency $(V_{CE}=2.0Vdc, I_{C}=0.5Adc)$	120			MHz

CLASSIFICATION OF hEE

Rank	Q	R	S
Range	120-270	180-390	270-560

2SA933AS-Q 2SA933AS-R 2SA933AS-S

PNP Plastic-Encapsulate Transistors



www.mccsemi.com



Ordering Information

Device	Packing	
(Part Number)-BP	Bulk;1Kpcs/Bag	

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