

Micro Commercial Components

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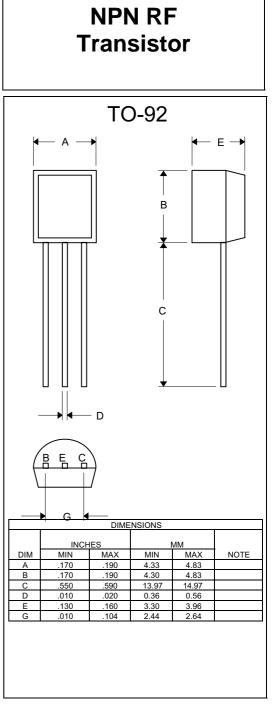
Features

- Capable of 0.35Watts of Power Dissipation.
- Collector Current: 0.05A
- 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
- Marking:MPSH10

Maximum Ratings*						
Symbol	Rating	Rating	Unit			
V _{CEO}	Collector-Emitter Voltage	25	V			
V _{CBO}	Collector-Base Voltage	30	V			
V _{EBO}	Emitter-Base Voltage	3.0	V			
I _C	Collector Current	50	mA			
PD	Power Dissipation	0.35	W			
TJ	Operating Junction Temperature	-55 to +150	°C			
T _{STG}	Storage Temperature	-55 to +150	°C			

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHARACTERISTICS					
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage* $(I_c=1mAdc, I_B=0)$	25		Vdc	
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =100uAdc, I _E =0)	30		Vdc	
V _{(BR)EBO}	Emitter-Base Breakdown Voltage (I _E =10uAdc, I _C =0)	3.0		Vdc	
I _{сво}	Collector Cutoff Current (V _{CB} =25Vdc, I _E =0)		0.1	uAdc	
I _{CEO}	Collector Cutoff Current (V _{CE} =20Vdc, I _B =0)		0.2	uAdc	
I _{EBO}	Emitter Cutoff Current (V _{EB} =2.0Vdc, I _C =0)		0.1	uAdc	
ON CHARA	CTERISTICS *				
h _{FE}	DC Current Gain (I _c =4mAdc, V _{CE} =10Vdc)	60	200		
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =4mAdc, I _B =0.4mAdc)		0.5	Vdc	
V _{BE(on)}	Base-Emitter On Voltage (I _c =4mAdc, V _{CE} =10Vdc)		0.95	Vdc	
f _T	Transition Frequency (V _{CE} =10V, I _C =4mA, f=100MHz)	650		MHz	



MPSH10

www.mccsemi.com



Ordering Information

Device	Packing
(Part Number)-AP	Tape&Reel2Kpcs/Box
(Part Number)-BP	Bulk;1Kpcs/Bag

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