

Micro Commercial Components



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

Features

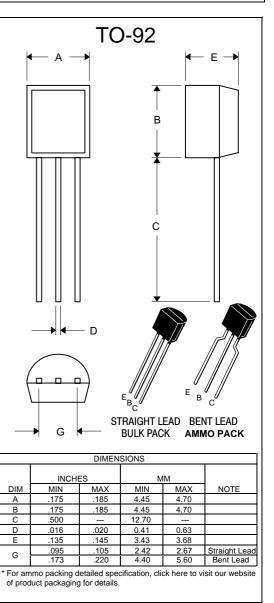
- Halogen free available upon request by adding suffix "-HF"
- Through Hole Package
- Operating & Storage Temperature: -55°C to +150°C
- Marking : A92
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARA	CTERISTICS			
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage* (I _c =-1.0mAdc, I _B =0)	-300		Vdc
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _c =-100µAdc, I _E =0)	-300		Vdc
V _{(BR)EBO}	Emitter -Base Breakdown Voltage (I _E =-10μAdc, I _C =0)	-5.0		Vdc
I _{EBO}	Emitter Cutoff Current (V _{EB} =-3.0Vdc, I _C =0)		-0.25	uAdc
I _{CBO}	Collector Cutoff Current (V _{CB} =-200Vdc, I _E =0)		-0.25	uAdc
ON CHARA	CTERISTICS			
h _{FE}	DC Current Gain* (I _c =-1.0mAdc, V _{cE} =-10Vdc) (I _c =-10mAdc, V _{cE} =-10Vdc) (I _c =-50mAdc, V _{cE} =-10Vdc)	25 80 25	250	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =-20mAdc, I _B =-2.0mAdc)		-0.5	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage (I _C =-20mAdc, I _B =-2.0mAdc)		-0.9	Vdc
SMALL-SIG	NAL CHARACTERISTICS			
f _T	Current Gain-Bandwidth Product (I _c =-10mAdc, V _{CE} =-5Vdc, f=30MHz)	50		MHz
C _{cb}	Collector-Base Capacitance (V _{CB} =-20Vdc, I _E =0, f=1.0MHz)		6.0	pF
*Pulse Widt	h ≤ 300µs, Duty Cycle ≤ 2.0% RATINGS			
Symbol	Characteristic	MPS	A92	Unit
VCEO	Collector-Emitter Voltage	-300		Vdc
Vсво	Collector-Base Voltage	-300		Vdc
VEBO	Emitter-Base Voltage	-5.0		Vdc
IC	Collector Current — Continuous	-300		mAdc
R _{0JA}	Thermal Resistance, Junction to Ambient	200		°C/W
R _θ JC	Thermal Resistance, Junction to Case	83.3		°C/W
PD	Total Device Dissipation @ $T_A = 25^{\circ}C$	62	-	mW
-	Derate above 25°C Total Device Dissipation @ T _C = 25°C	5.0 1.5		mW/°C Watts
PD	Derate above 25°C	1.: 12	-	mW/°C

MPSA92

PNP Silicon High Voltage Transistor

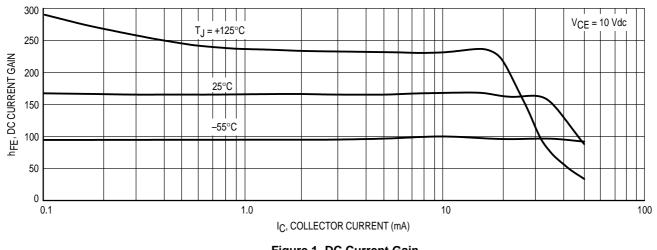


www.mccsemi.com

MPSA92



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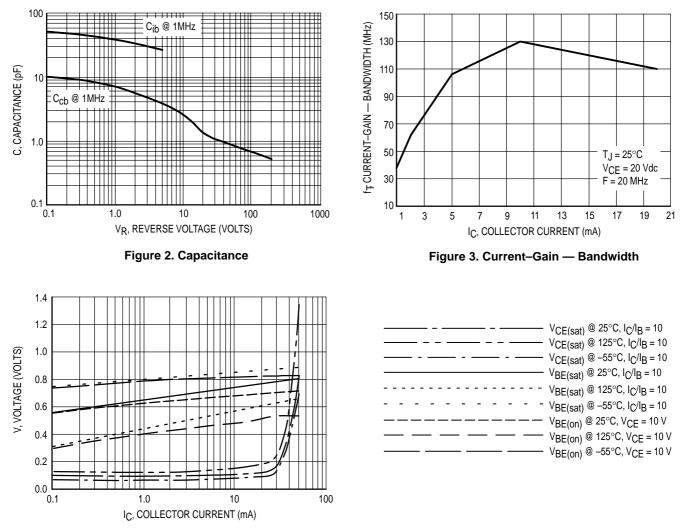


Figure 4. "ON" Voltages

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Ordering Information :

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

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

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