

Micro Commercial Components



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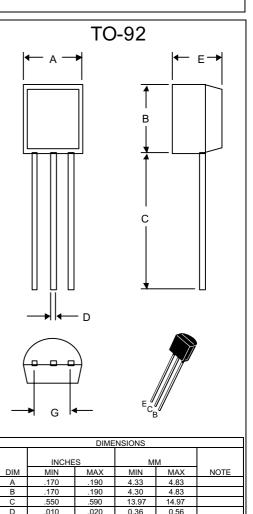
Features

- Capable of 0.4Watts of Power Dissipation.
- Collector-current 0.15A
- Collector-base Voltage 60V
- Operating and storage junction temperature range: -55°C to +150°C
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)

Symbol	Parameter	Min	Max	Units
OFF CHARA	CTERISTICS			
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	50		Vdc
	(I _c =0.1mAdc, I _B =0)			
V (BR)CBO	Collector-Base Breakdown Voltage	60		Vdc
	(I _c =1000uAdc, l _E =0)			
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	5.0		Vdc
	(I _E =100uAdc, I _C =0)			
I _{CBO}	Collector Cutoff Current		0.1	uAdc
	(V _{CB} =60Vdc, <u>k</u> =0Adc)			
LER	Collector Cutoff Current		0.1	uAdo
	(V _{CE} =55Vdc,R=10M OHM)			
I _{EBO}	Emitter Cutoff Current		0.1	uAdc
	(V _{EB} =5.0Vdc, <code>b=0Adc</code>)			
ON CHARAC	TERISTICS			
h _{FE(1)}	DC Current Gain			
	(L=1.0mAdc, V _{CE} =6.0Vdc)	120	400	
h _{FE(2)}	DC Current Gain			
	(I _c =0.1mAdc, V _{ce} =6.0Vdc)	40		
V _{CE(sat)}	Collector-Emitter Saturation Voltage			
	(I _c =100mAdc, I _B =10mAdc)		0.3	Vdc
V _{BE(sat)}	Base-Emitter Saturation Voltage			
	(I _c =100mAdc, I _B =10mAdc)		1.0	Vdc
VBE	Base-Emitter Voltage			
	(I _E =310mAdc)		1.4	Vdc
SMALL-SIG	NAL CHARACTERISTICS			
f _T	Transistor Frequency			
	(L=10mAdc, V _{CE} =6.0Vdc, f=30MHz)	150		MHz
CLASSIFIC	ATION OF Herein			
Rank	Y	GR		
Range	120-240	200-400		

2SC945-Y 2SC945-GR

NPN Silicon Plastic-Encapsulate Transistor



130

.096

.160

.104

3.30

2.44

3.96

2.64

www.mccsemi.com

2011/01/01



Ordering Information :

Device	Packing	
Part Number-AP	Ammo Packing: 2Kpcs/Ammo Box	
Part Number-BP	Bulk: 100Kpcs/Carton	

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