

Micro Commercial Components



- Power dissipation: 2W(T_a=25°C)
- Collector current: 8A
- Operating and storage junction temperature range T_J, T_{stg}: -55℃ +150℃
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)

ROHS

Phone: (818) 701-4933 (818) 701-4939

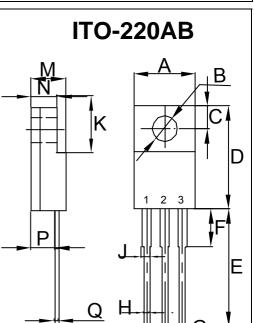
CA 91311

Fax:

- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maximum Ratings @ 25°C Unless Otherwise Noted

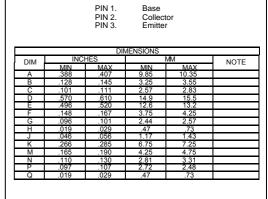
Symbol	Rating	Туре	Min	Max	Unit	
	Collector-Emitter Break	davua	туре	400		V
V _{CEO}			400		v	
	Voltage ($I_c=10mA$, $I_E=0$)			=00		
V _{CBO}	Collector-Base Breakdo		700		V	
	Voltage					
	(I _C =1mA, I _B =0)					
V _{EBO}	V _{EBO} Emitter-Base Breakdown Voltage			9.0		V
	(I _E =1mA, I _C =0)					
I _{CBO} Collector Cutoff Current		t			1	mA
	(V _{CB} =700V,I _E =0)					
I _{EBO}	I _{EBO} Emitter Cutoff Current				100	μA
	(V _{BE} =9.0V,I _C =0)					
h _{FE}	DC Current Gain		8.0	40		
	(I _C =2.0A,V _{CE} =5.0V)			5.0	30	
	(I _C =5.0A,V _{CE} =5.0V)					
V _{CE(SAT)}	Collector-Emitter Saturation				1.0	V
. ,	Voltage					
	(I _C =2.0A, I _B =0.4A)					
V _{BE(SAT)}					1.2	V
()	(I _c =2.0A, I _B =0.4A)	0				
f⊤	Current Gain-Bandwidt		4.0		MHz	
	(I _c =500mA, V _{CE} =10V,	$f = 1.0MH_z$)				
Cob			80			pF
	(V _{CB} =10V, I _E =0, f=0.1N	1Hz)				•
tr	Fall Time (V _{cc} =	125V,			0.7	μs
to	Ctorogo Timo	DA,			2	
ts	Storage Time	I _{B2} =1.0A)			3	μs



Classification of h

Rank						
Range	8-15	15-20	20-25	25-30	30-35	35-40

Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.



www.mccsemi.com

Micro Commercial Components MJE13007F 20736 Marilla Street Chatsworth

NPN

Power Transistor 8.0 A 400 Volts



Ordering Information :

Device	Packing
Part Number-BP	Bulk; 1Kpcs/Box

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