

**Micro Commercial Components** 



- Power dissipation: 2W(T<sub>a</sub>=25°C)
- Collector current: 8A
- Operating and storage junction temperature range T<sub>J</sub>, T<sub>stg</sub>: -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

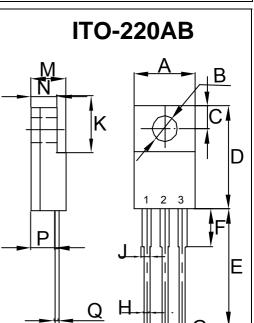
CA 91311

Fax:

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

### Maximum Ratings @ 25°C Unless Otherwise Noted

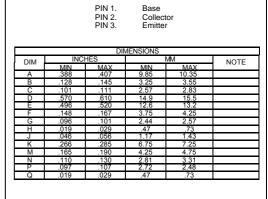
Symbol	Rating	Туре	Min	Max	Unit	
	Collector-Emitter Break	davua	туре	400		V
V <sub>CEO</sub>			400		v	
	Voltage ( $I_c=10mA$ , $I_E=0$ )			=00		
V <sub>CBO</sub>	Collector-Base Breakdo		700		V	
	Voltage					
	(I <sub>C</sub> =1mA, I <sub>B</sub> =0)					
V <sub>EBO</sub>	V <sub>EBO</sub> Emitter-Base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

### **\*\*\*IMPORTANT NOTICE\*\*\***

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