

Micro Commercial Components



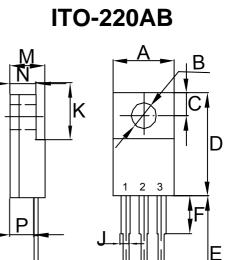
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 (818) 701-4939 Fax:

Features

- Halogen free available upon request by adding suffix "-HF"
- 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)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maximum Ratings @ 25°C Unless Otherwise Noted

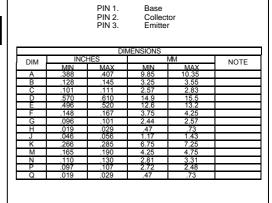
Symbol	Rating	Туре	Min	Max	Unit
V _{CEO}	Collector-Emitter Breakdown Voltage (I_c =10mA, I_E =0)		400		V
V _{CBO}	Collector-Base Breakdown Voltage $(I_c=1mA, I_B=0)$		700		V
V _{EBO}	Emitter-Base Breakdown Voltage $(I_E=1mA, I_C=0)$		9.0		V
I _{CBO}	Collector Cutoff Current (V _{CB} =700V,I _E =0)			1	mA
I _{EBO}	Emitter Cutoff Current (V _{BE} =9.0V,I _C =0)			100	μΑ
h _{FE}	h _{FE} DC Current Gain			40	
	(I _C =2.0A,V _{CE} =5.0V) (I _C =5.0A,V _{CE} =5.0V)		5.0	30	
V _{CE(SAT)}	Collector-Emitter Saturation Voltage (I _C =2.0A, I _B =0.4A)			1.0	V
V _{BE(SAT)}	Base-Emitter Saturation Voltage $(I_C=2.0A, I_B=0.4A)$			1.2	V
f _T	Current Gain-Bandwidth Product (I _C =500mA, V _{CE} =10V, f =1.0MH _Z)		4.0		MHz
C _{ob}	Output Capacitance (V _{CB} =10V, I _E =0, f=0.1MHz)	80			pF
tr	Fall Time (V _{cc} =125V,			0.7	μs
ts	Storage Time $I_C=5.0A,$ $I_{B1}=-I_{B2}=1.0A)$			3	μs





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.



Base

Q

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Revision: B

2013/01/01

MJE13007F

NPN

Power Transistor 8.0 A 400 Volts



Ordering Information :

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

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

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