



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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MJE13007

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Power dissipation: 2W (T_A=25 °C)
- Collector current: 8A
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Maximum Ratings @ 25°C Unless Otherwise Noted

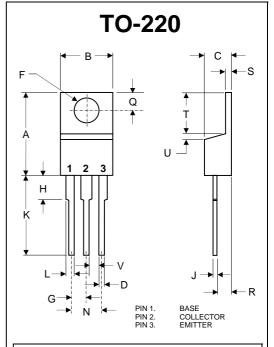
Symbol	Rating		Type	Min	Max	Unit
V _{CEO}	Collector-Emitter Breakdown			400		V
	Voltage (I _C =10mA, I _E =0)					
V_{CBO}	Collector-Base Breakdown			700		V
	Voltage					
	$(I_C=1mA, I_B=0)$					
V_{EBO}	Emitter-Base Bre	eakdown Voltage		9.0		V
	$(I_E=1mA, I_C=0)$					
I _{CBO}	Collector Cutoff (1	mA
	$(V_{CB}=700V,I_{E}=0)$					
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)					
$V_{BE(SAT)}$	Base-Emitter Saturation Voltage				1.2	V
	$(I_C=2.0A, I_B=0.4)$					
f⊤	Current Gain-Bandwidth Product			4.0		MHz
	(I _C =500mA, V _{CE} =10V, f =1.0MH _Z)					
C_{ob}	Output Capacitance		80			pF
	(V _{CB} =10V, I _E =0, f=0.1MHz)					
tr	Fall Time	(V _{CC} =125V,			0.7	μs
ts	Storage Time	I _C =5.0A,			3	μs
	Ciorago Timo	$I_{B1}=-I_{B2}=1.0A$)			l	μ0

Classification of here

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.

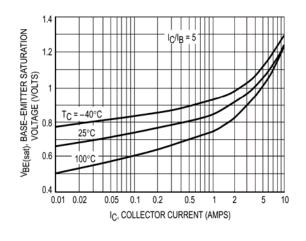
NPN Power Transistor 8.0 Amperes 400 Volts 2 Watts

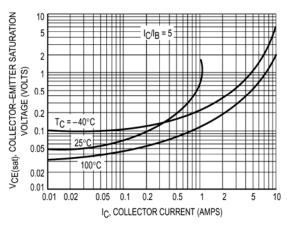


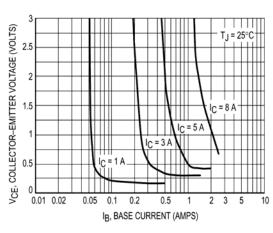
DIMENSIONS						
	INCHES		1			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.560	.625	14.22	15.88		
В	.380	.420	9.65	10.67		
С	.140	.190	3.56	4.82		
D	.020	.045	0.51	1.14		
F	.139	.161	3.53	4.09	Ø	
G	.190	.110	2.29	2.79		
Н		.250		6.35		
J	.012	.025	0.30	0.64		
K	.500	.580	12.70	14.73		
L	.045	.060	1.14	1.52		
N	.190	.210	4.83	5.33		
Q	.100	.135	2.54	3.43		
R	.080	.115	2.04	2.92		
S	.045	.055	1.14	1.39		
Т	.230	.270	5.84	6.86		
U		.050		1.27		
V	.045		1.15			

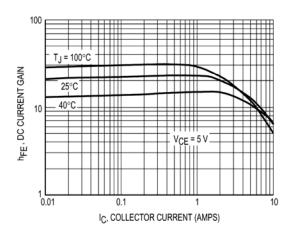


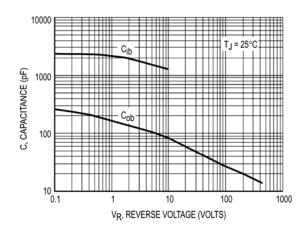
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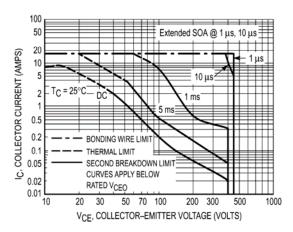














Micro Commercial Components

Ordering Information:

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

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