



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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- Halogen free available upon request by adding suffix "-HF" Mounting Torgue: 5 in-lbs Maximum
- Capable of 25 Watts of Power Dissipation.
- Collector-current -5.0A and Collector-base Voltage -60V
- Operating and storage junction temperature range: -55°C to +150°C
- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating

Moisure Sensitivity Level 1 Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
OFF CHARACTERISTICS				
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I _C =-1.0mAdc, I _B =0)	-50		Vdc
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =-1mAdc, I _E =0)	-60		Vdc
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I _E =-0.1mAdc, I _C =0)	-5.0		Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =-50Vdc, I _E =0)		-1.0	μAdc
I _{EBO}	Emitter Cutoff Current (V _{EB} =-5.0Vdc, I _C =0)		-1.0	μAdc

ON CHARACTERISTICS

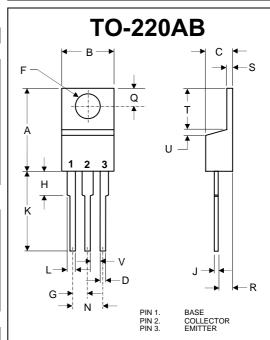
T .	T = 0 0 1 (01 1 0)			
h _{FE(1)}	DC Current Gain (Note 2)	70	240	
. ,	(I _C =-1Adc, V _{CE} =-1Vdc)			
h _{FE(2)}	DC Current Gain	30	30	
	(I _C =-3Adc, V _{CE} =-1Vdc)			
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	-0.2	-0.4	Vdc
	$(I_C=-3Adc, I_B=-150mAdc)$			
V _{BE(sat)}	Base-Emitter Saturation Voltage	-0.9	-1.2	Vdc
,	$(I_C=-3Adc, I_B=-150mAdc)$			

SMALL-SIGNAL CHARACTERISTICS

f⊤	Transistor Frequency (I _C =-1Adc, V _{CE} =-4Vdc)	60		MHz	
C _{ob}	Collector output capacitance (V _{CB} =-10V, I _E =0, f=1MHz)	170(Typ)		PF	

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7. 2. h_{FE(1)} Classification O: 70-140, Y: 120-240

PNP Plastic-Encapsulate Transistor



DIMENSIONS					
	INC	HES	MM		
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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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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