



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 (818) 701-4939 2SB1366F-O 2SB1366F-Y

Features

- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Low V_{CE(SAT)}:V_{CE(SAT)}=-1.0V(Max.)(Ic/I_B=-2A/-0.2A) Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix designates RoHS Compliant. See ordering information) Halogen free available upon request by adding suffix "-HF"

PNP Silicon **Power Transistors**

Maximum Ratings

Mounting Torgue: 5 in-lbs Maximum

Symbol	Rating	Rating	Unit	
V_{CEO}	Collector-Emitter Voltage	-60	V	
V_{CBO}	Collector-Base Voltage	-60	V	
V_{EBO}	Emitter-Base Voltage	-7.0	V	
lc	Collector Current	-3.0	Α	
P _C	Collector power dissipation T _A =25°C	2.0	W	
TJ	Junction Temperature	-55 to +150	°C	
T _{STG}	Storage Temperature	-55 to +150	°C	

Electrical Characteristics @ 25°C Unless Otherwise Specified

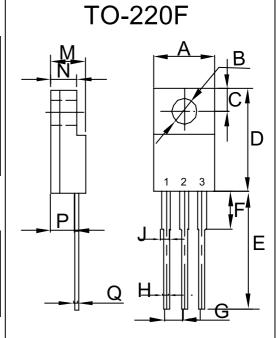
Symbol	Parameter	IVIII	тур	wax	Units	
OFF CHARA	OFF CHARACTERISTICS					
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	-60			Vdc	
	(l _c =-50mAdc, l _B =0)					
I _{CBO}	Collector-Base Cutoff Current			-100	μAdc	
	(V _{CB} =-60Vdc,					
I _{EBO}	Emitter-Base Cutoff Current			-100	μAdc	
	(V _{EB} =-7.0Vdc, _€ =0)					

ON CHARACTERISTICS

h _{FE(1)}	Forward Current Transfer ratio (te-0.5Adc, Vce-5.0Vdc)	60	-	200	
h _{FE(2)}	Forward Current Transfer ratio (te-3.0Adc, Vce-5.0Vdc)	20	I	I	-
V _{CE(sat)}	Collector-Emitter Saturation Voltage (b=-2.0Adc, b=-0.2Adc)			-1.0	Vdc
V_{BE}	Base-Emitter Saturation Voltage (L=-0.5Adc, VCE=-5.0Vdc)			-1.0	Vdc
f _⊤	Transition Frequency (V _{CE} =-5.0Vdc, b=-0.5Adc)		9.0		MHz
C _{ob}	Collector Output Capacitance (V _{CB} =-10Vdc, ½=0, f=1.0MHz)		150		pF
t _f	Fall time (Ic=-2Adc, I B1= -IB2= -0.2Adc, Vcc= -30Vdc)		0.4		μs
t _s	Storage time (Ic=2Adc, I B1=-IB2=-0.2Adc, Vcc=-30Vdc)		1.7		μs

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

2. h_{FF} Range: O: 60~120, Y:100~200



BASE COLLECTOR EMITTER

	DIMENSIONS				
DIM	INC	INCHES		MM	
DIIVI	MIN	MAX	MIN	MAX	NOTE
Α	.392	.408	9.96	10.36	
В	.138		3.50		Ф
С	.106		2.70		
D	.583	.598	14.80	15.20	
Е	.520		13.20		
F	.142	.158	3.60	4.00	
G	.100		2.54		
Н	.020	.030	0.50	0.75	
J	.043	.053	1.10	1.35	
M	.169	.185	4.30	4.70	
N	.110	.126	2.80	3.20	
Р	.098	.114	2.50	2.90	
Q	.020	.030	0.50	0.75	



Micro Commercial Components

Ordering Information:

Device	Packing
Part Number-BP	Bulk;5Kpcs/Box

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

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. **Micro Commercial Components Corp.** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold **Micro Commercial Components Corp.** and all the companies whose products are represented on our website, harmless against all damages.

LIFE SUPPORT

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources. MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.