



Micro Commercial Components



Micro Commercial Components  
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# BC856BM

## PNP Plastic-Encapsulate Transistors

### SOT-883

### Features

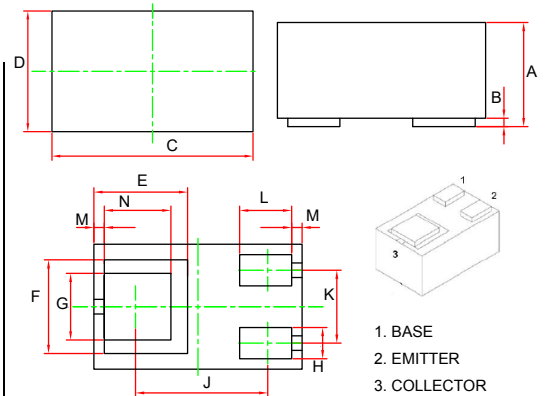
- Halogen free available upon request by adding suffix "-HF"
- Low Current
- Low Voltage
- Ultra-small Surface Mount Package
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking:D1

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

Symbol	Rating	Rating	Unit
V <sub>CEO</sub>	Collector-Emitter Voltage	-65	V
V <sub>CBO</sub>	Collector-Base Voltage	-80	V
V <sub>EBO</sub>	Emitter-Base Voltage	-5	V
I <sub>C</sub>	Collector Current	-100	mA
R <sub>θJA</sub>	Thermal Resistance Junction to Ambient	625	°C/W
T <sub>J</sub>	Operating Junction Temperature	-55 to +150	°C
T <sub>STG</sub>	Storage Temperature	-55 to +150	°C

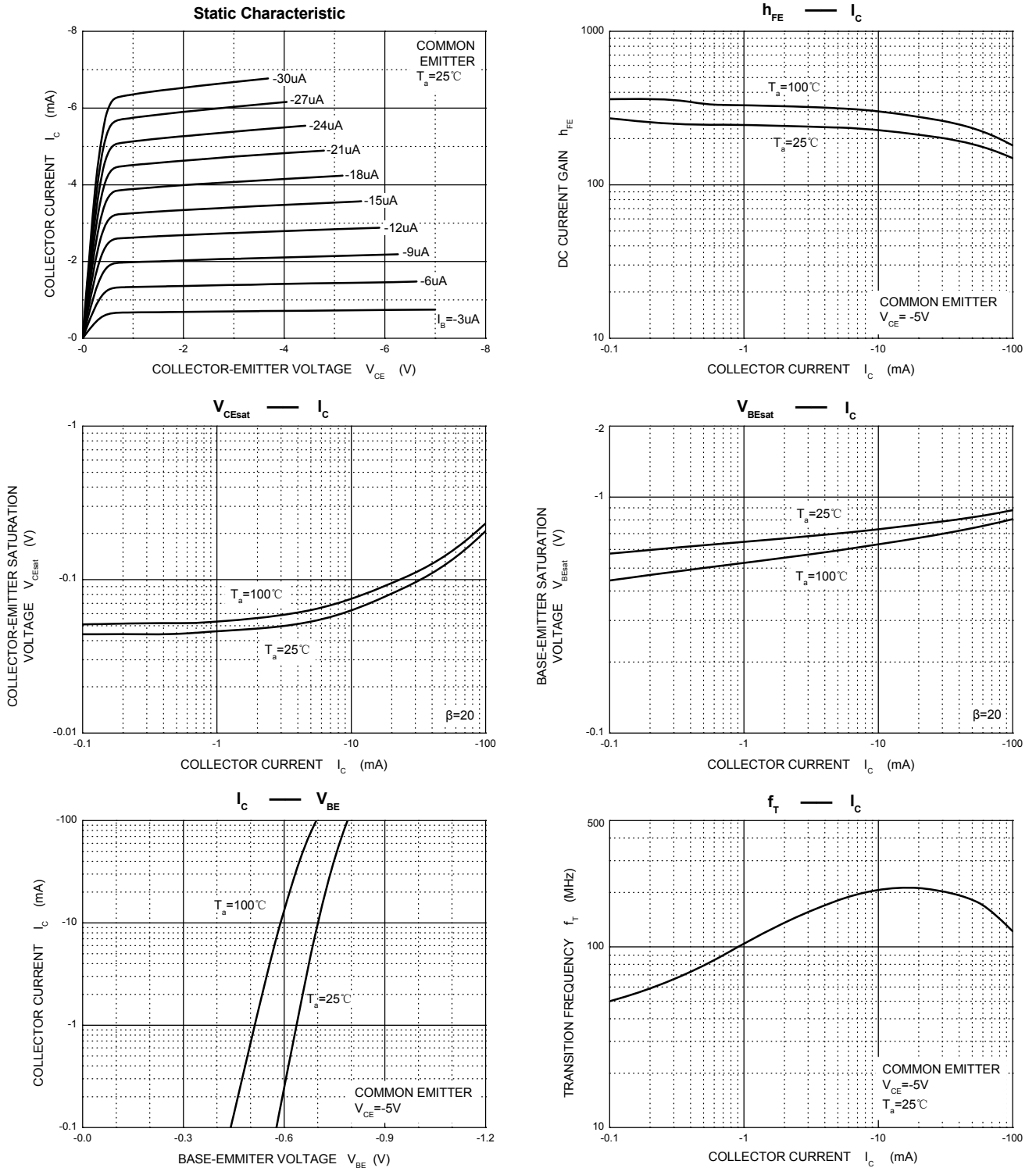
### Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
V <sub>(BR)CEO</sub>	Collector-Emitter Breakdown Voltage (I <sub>C</sub> =-10mA, I <sub>B</sub> =0)	-65	---	---	Vdc
V <sub>(BR)CBO</sub>	Collector-Base Breakdown Voltage (I <sub>C</sub> =-10μA, I <sub>E</sub> =0)	-80	---	---	Vdc
V <sub>(BR)EBO</sub>	Collector-Emitter Breakdown Voltage (I <sub>E</sub> =-1μA, I <sub>C</sub> =0)	-5	---	---	Vdc
I <sub>CBO</sub>	Collector Cutoff Current (V <sub>CB</sub> =-70Vdc, I <sub>E</sub> =0Vdc)	---	---	-100	nA
I <sub>CEO</sub>	Collector Cutoff Current (V <sub>CB</sub> =-60Vdc, I <sub>B</sub> =0Vdc)	---	---	-100	nA
I <sub>EBO</sub>	Emitter Cutoff Current (V <sub>EB</sub> =-5Vdc, I <sub>C</sub> =0Vdc)	---	---	-0.1	μA
h <sub>FE</sub>	DC Current Gain (I <sub>C</sub> =-2mA, V <sub>CE</sub> =-5Vdc)	220	---	475	---
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage (I <sub>C</sub> =-100mA, I <sub>B</sub> =-5mA)	---	---	-0.5	Vdc
V <sub>BE(sat)</sub>	Base-Emitter Saturation Voltage (I <sub>C</sub> =-100mA, I <sub>B</sub> =-5mA)	---	---	-1.1	Vdc
f <sub>T</sub>	Transition Frequency (V <sub>CE</sub> =-5Vdc, I <sub>C</sub> =-10mA, f=100MHz)	100	---	---	MHz
C <sub>ob</sub>	Collector Capacitance (V <sub>CB</sub> =-10Vdc, f=1.0MHz, I <sub>E</sub> =0)	---	---	4.5	pF

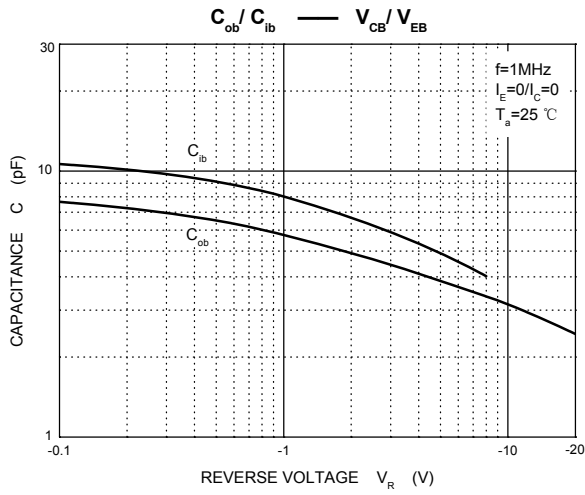


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.450	0.550	
B	0.000	0.004	0.010	0.100	
C	0.037	0.041	0.950	1.050	
D	0.022	0.026	0.550	0.650	
E	0.018REF.		0.450REF.		
F	0.018REF.		0.450REF.		
G	0.011	0.015	0.270	0.370	
H	0.004	0.008	0.100	0.200	
J	0.025REF.		0.635REF.		
K	0.012	0.016	0.300	0.400	
L	0.008	0.012	0.200	0.300	
M	0.002REF.		0.050REF.		
N	0.011	0.015	0.270	0.370	

## Typical Characteristics



### Typical Characteristics





## Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel; 10Kpcs/Reel

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

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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