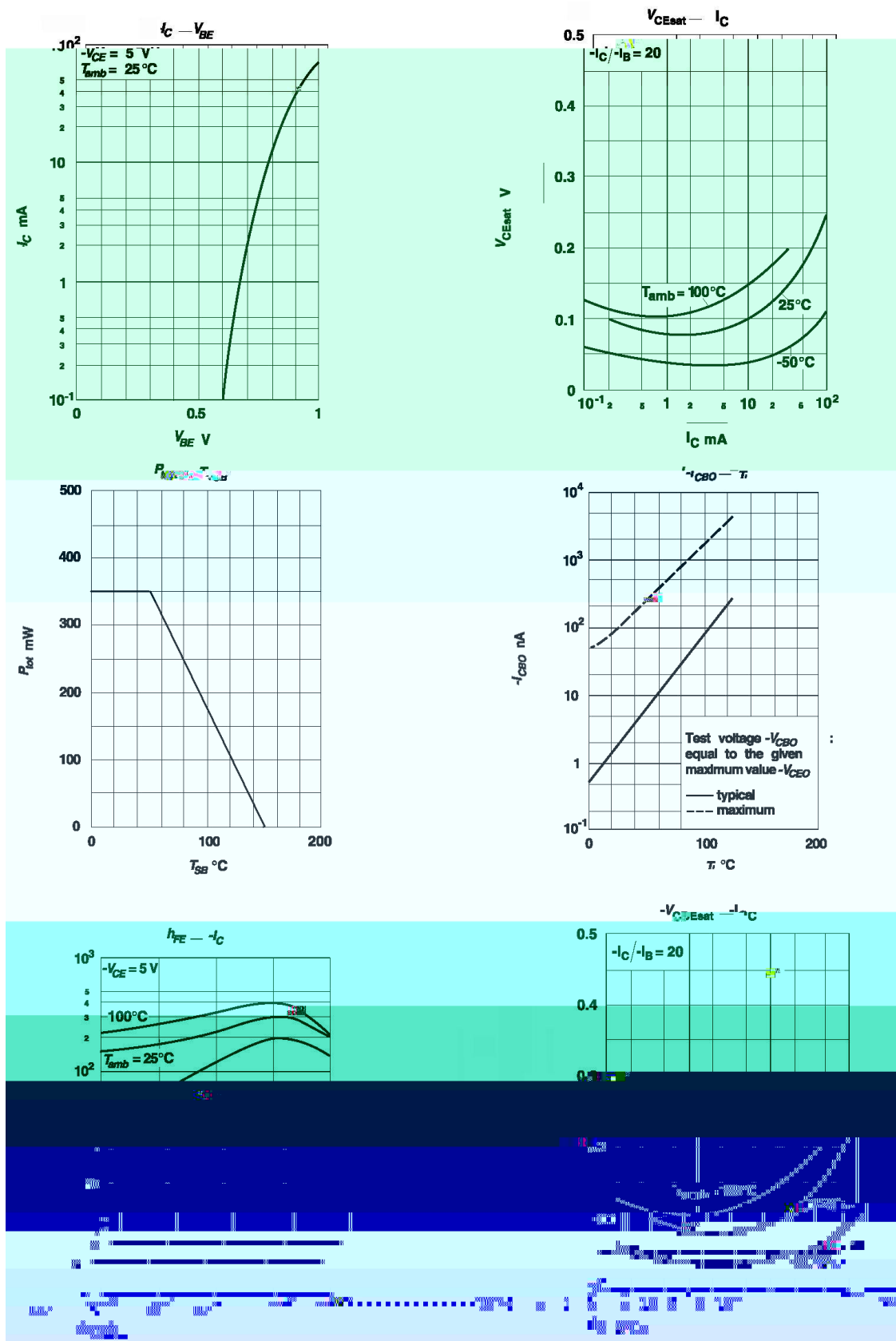


Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-80	V
Collector to Emitter Voltage	V_{CEO}	-65	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-100	mA
Collector Power Dissipation	P_C	350	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-30\text{ V}$ $I_E=0$			-0.015	
DC Current Gain	h_{FE}	$V_{CE}=-5.0\text{V}$ $I_C=-2.0\text{mA}$	125		475	
Collector to Emitter Saturation Voltage	$V_{CE(sat)(1)}$	$I_C=-10\text{mA}$ $I_B=-0.5\text{mA}$		-0.09	-0.3	V
	$V_{CE(sat)(2)}$	$I_C=-100\text{mA}$ $I_B=-5.0\text{mA}$		-0.25	-0.65	V
Base to Emitter Saturation Voltage	$V_{BE(sat)(1)}$	$I_C=-10\text{mA}$ $I_B=-0.5\text{mA}$		-0.7		V
	$V_{BE(sat)(2)}$	$I_C=-100\text{mA}$ $I_B=-5.0\text{mA}$		-0.9		V
Base to Emitter Voltage	$V_{BE(ON)1}$	$V_{CE}=-5.0\text{V}$ $I_C=-2.0\text{mA}$	-0.6	-0.65	-0.75	V
Base to Emitter Voltage	$V_{BE(ON)2}$	$V_{CE}=-5.0\text{V}$ $I_C=-10\text{mA}$			-0.82	

/ Electrical Characteristic Curve



BRBC856Q

Rev.A Sep.-2022

/ Marking Instructions



Note:

3A: Product Type Code

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Note:

- | | | | |
|---|---------|------------|---|
| 1 | 150 200 | 60 120sec; | 1.Preheating:150~200 , Time:60~120sec. |
| 2 | 255 5 | 5 0.5sec; | 2.Peak Temp.:255 5 , Duration:5 0.5sec. |
| 3 | 2 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量 只 卷盘 卷盘/盒	Dimension 包装尺寸 (unit: mm ³)
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