



# BC807H-Q series

45 V, 500 mA PNP general-purpose transistors

Rev. 1 — 18 October 2023

Product data sheet

## 1. General description

PNP general-purpose transistors in a small SOT23 Surface-Mounted Device (SMD) plastic package.

Table 1. Product overview

Type number	Package		NPN complement:
	Nexperia	JEDEC	
BC807-16H-Q	SOT23	TO-236AB	BC817K-16H-Q
BC807-25H-Q			BC817K-25H-Q
BC807-40H-Q			BC817K-40H-Q

## 2. Features and benefits

- Three current gain selections
- High-temperature applications up to 175 °C
- Qualified according to AEC-Q101 and recommended for use in automotive applications

## 3. Applications

- General-purpose switching and amplification

## 4. Quick reference data

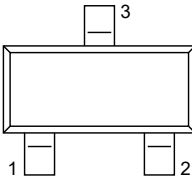
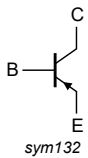
Table 2. Quick reference data

Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
$V_{CE0}$	collector-emitter voltage	open base	-	-	-45	V	
$I_C$	collector current	$T_{amb} = 25\text{ °C}$	-	-	-500	mA	
$I_{CM}$	peak collector current	single pulse; $t_p \leq 1\text{ ms}$ ; $T_{amb} = 25\text{ °C}$	-	-	-1	A	
$h_{FE}$	DC current gain						
	BC807-16H-Q	$V_{CE} = -1\text{ V}$ ; $I_C = -100\text{ mA}$ ; $T_{amb} = 25\text{ °C}$	[1]	100	-	250	
	BC807-25H-Q		[1]	160	-	400	
	BC807-40H-Q		[1]	250	-	600	

[1] pulsed;  $t_p \leq 300\text{ }\mu\text{s}$ ;  $\delta \leq 0.02$

## 5. Pinning information

Table 3. Pinning

Pin	Symbol	Description	Simplified outline	Graphic symbol
1	B	base	 SOT23	 sym132
2	E	emitter		
3	C	collector		

## 6. Ordering information

Table 4. Ordering information

Type number	Package		
	Name	Description	Version
<a href="#">BC807-16H-Q</a>	SOT23	plastic, surface-mounted package; 3 leads	<a href="#">SOT23</a>
<a href="#">BC807-25H-Q</a>			
<a href="#">BC807-40H-Q</a>			

## 7. Marking

Table 5. Marking

Type number	Marking code [1]	
BC807-16H-Q	[1]	6S%
BC807-25H-Q	[1]	6T%
BC807-40H-Q	[1]	6U%

[1] % = placeholder for manufacturing site code

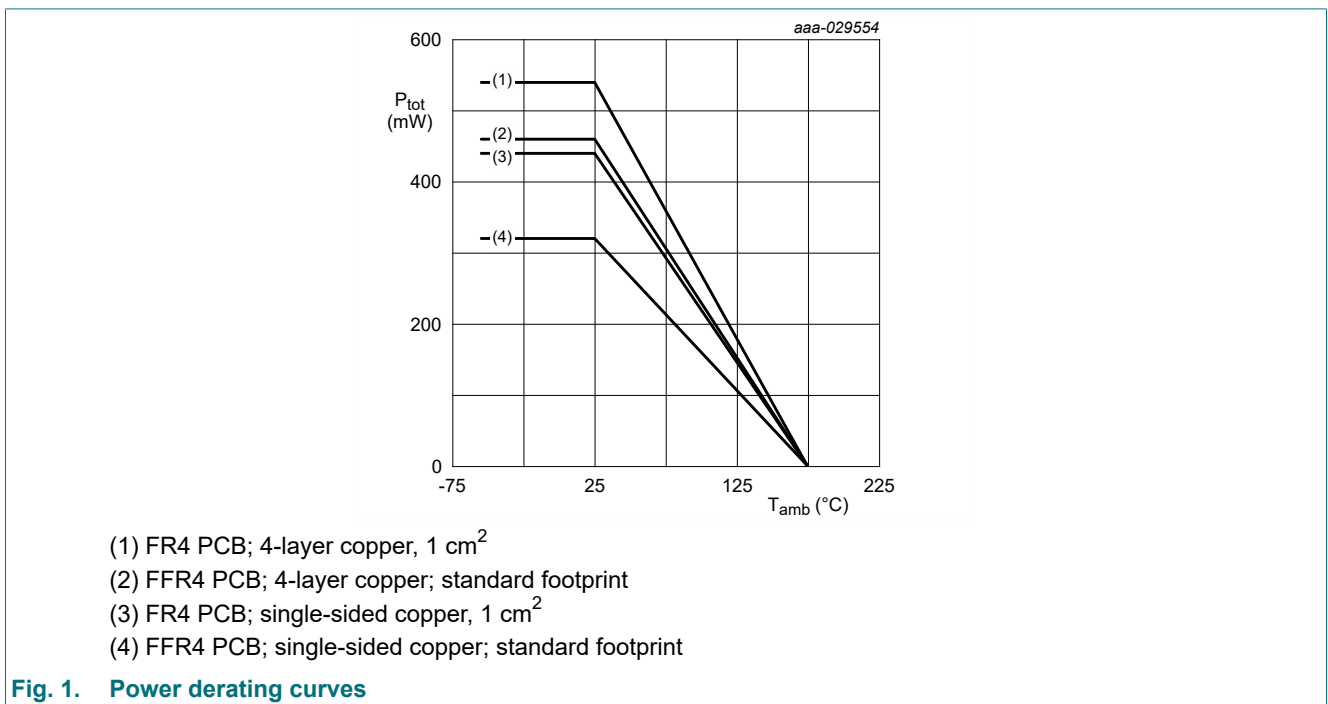
## 8. Limiting values

**Table 6. Limiting values**

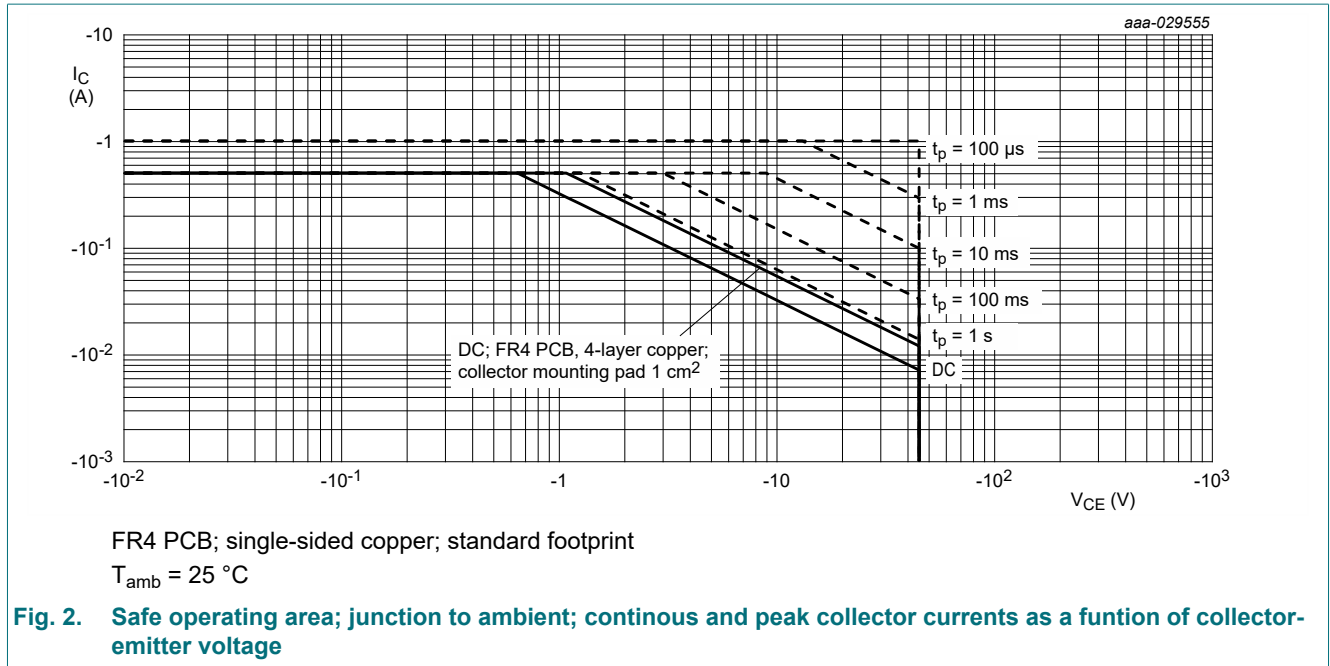
In accordance with the Absolute Maximum Rating System (IEC 60134).

Symbol	Parameter	Conditions	Min	Max	Unit	
$V_{CBO}$	collector-base voltage	open emitter; $T_{amb} = 25\text{ °C}$	-	-50	V	
$V_{CEO}$	collector-emitter voltage	open base; $T_{amb} = 25\text{ °C}$	-	-45	V	
$V_{EBO}$	emitter-base voltage	open collector; $T_{amb} = 25\text{ °C}$	-	-7	V	
$I_C$	collector current	$T_{amb} = 25\text{ °C}$	-	-500	mA	
$I_{CM}$	peak collector current	single pulse; $t_p \leq 1\text{ ms}$ ; $T_{amb} = 25\text{ °C}$	-	-1	A	
$I_{BM}$	peak base current	single pulse; $t_p \leq 1\text{ ms}$ ; $T_{amb} = 25\text{ °C}$	-	-200	mA	
$P_{tot}$	total power dissipation	$T_{amb} \leq 25\text{ °C}$ ; $T_{amb} = 25\text{ °C}$	[1]	-	320	mW
			[2]	-	440	mW
			[3]	-	460	mW
			[4]	-	540	mW
$T_j$	junction temperature		-	175	°C	
$T_{amb}$	ambient temperature		-55	175	°C	
$T_{stg}$	storage temperature		-65	175	°C	

- [1] Device mounted on an FR4 Printed-Circuit-Board (PCB); single-sided copper; tin-plated and standard footprint.
- [2] Device mounted on an FR4 PCB; single-sided copper; tin-plated; mounting pad for collector  $1\text{ cm}^2$ .
- [3] Device mounted on an FR4 Printed-Circuit-Board (PCB); 4-layer copper; tin plated and standard footprint.
- [4] Device mounted on an FR4 PCB; 4-layer copper; tin-plated; mounting pad for collector  $1\text{ cm}^2$ .



**Fig. 1. Power derating curves**



## 9. Thermal characteristics

Table 7. Thermal characteristics

Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
$R_{th(j-a)}$	thermal resistance from junction to ambient	in free air; $T_{amb} = 25\text{ °C}$	[1]	-	-	470	K/W
			[2]	-	-	340	K/W
			[3]	-	-	325	K/W
			[4]	-	-	280	K/W
$R_{th(j-sp)}$	thermal resistance from junction to solder point		-	-	110	K/W	

- [1] Device mounted on an FR4 PCB; single-sided copper; tin-plated and standard footprint.
- [2] Device mounted on an FR4 PCB; single-sided copper; tin-plated; mounting pad for collector 1 cm<sup>2</sup>.
- [3] Device mounted on an FR4 PCB; 4-layer copper; tin-plated and standard footprint.
- [4] Device mounted on an FR4 PCB; 4-layer copper; tin-plated; mounting pad for collector 1 cm<sup>2</sup>.

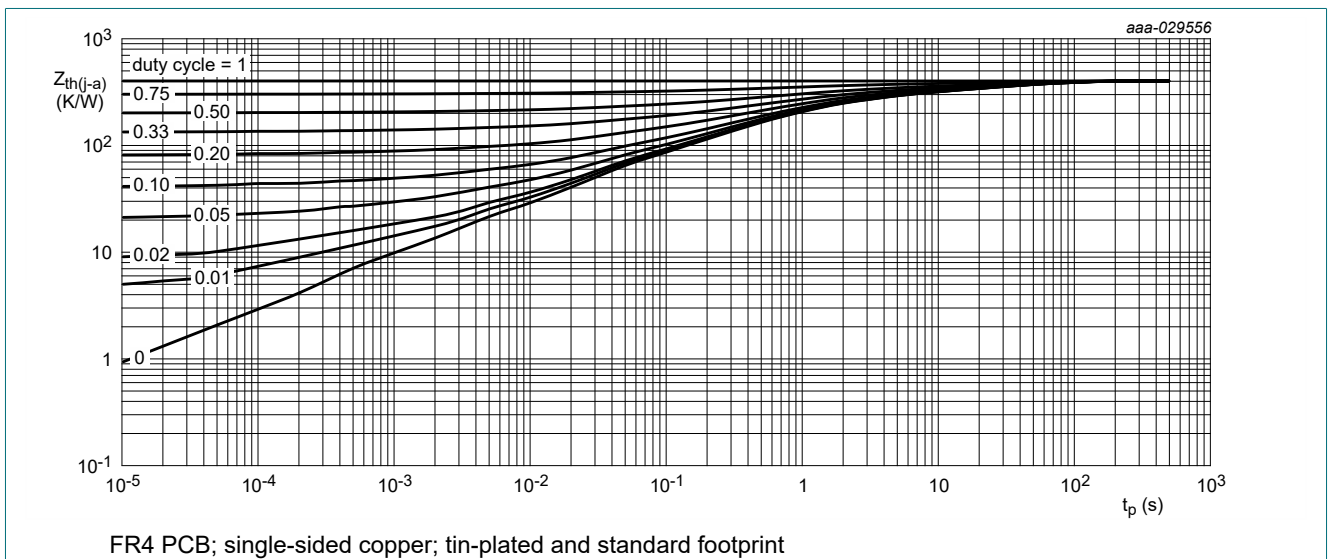


Fig. 3. Transient thermal impedance from junction to ambient as a function of pulse duration; typical values

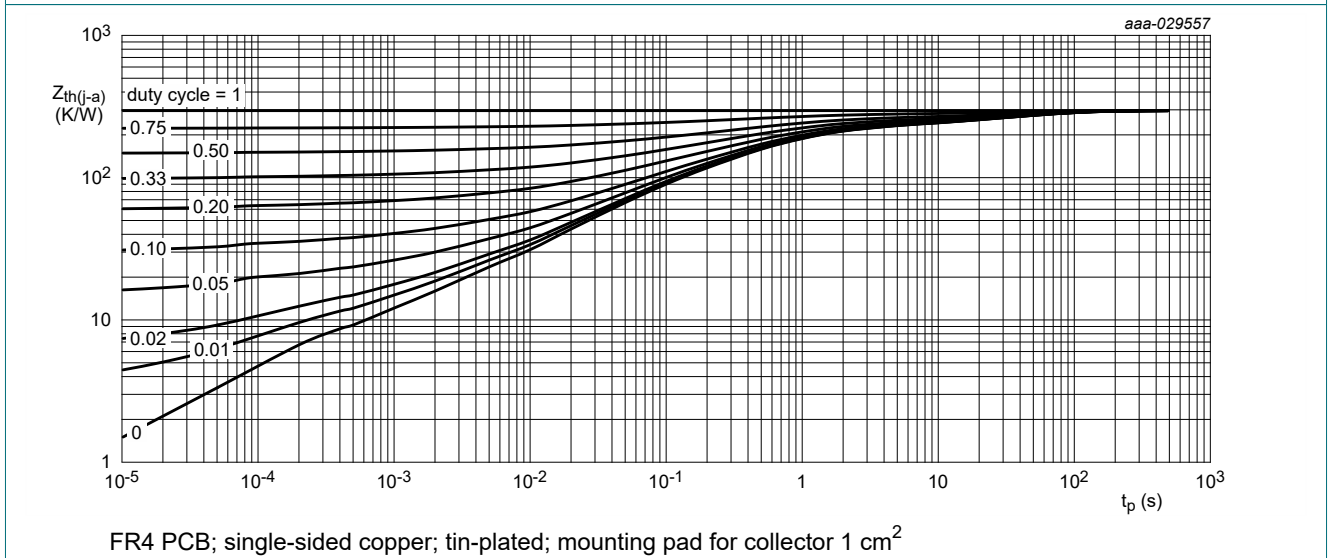


Fig. 4. Transient thermal impedance from junction to ambient as a function of pulse duration; typical values

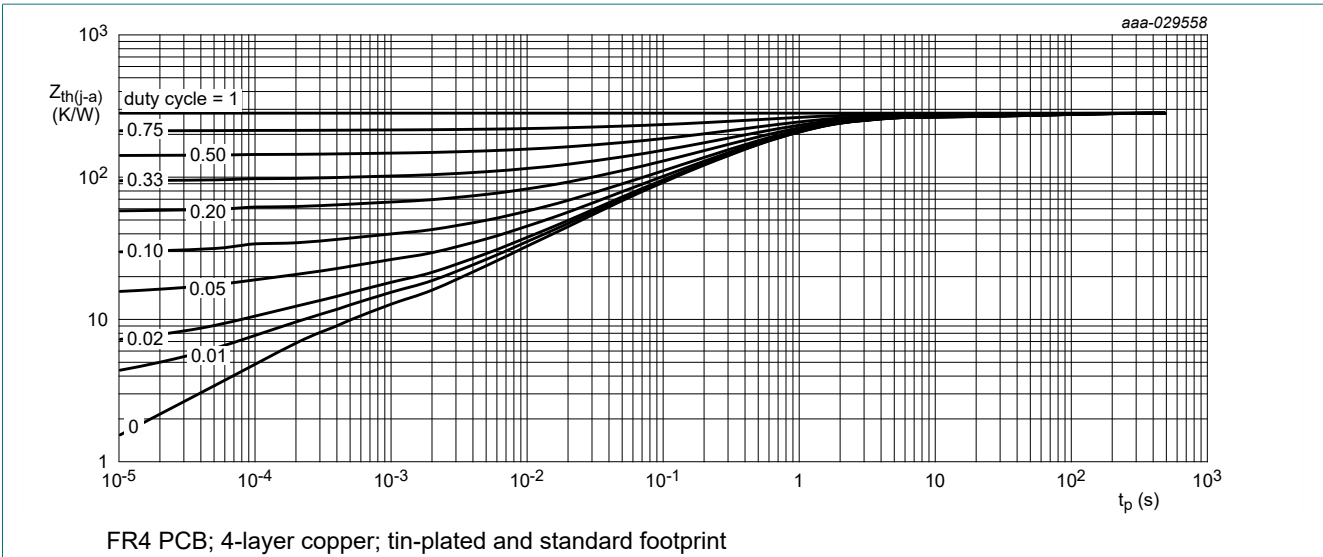


Fig. 5. Transient thermal impedance from junction to ambient as a function of pulse duration; typical values

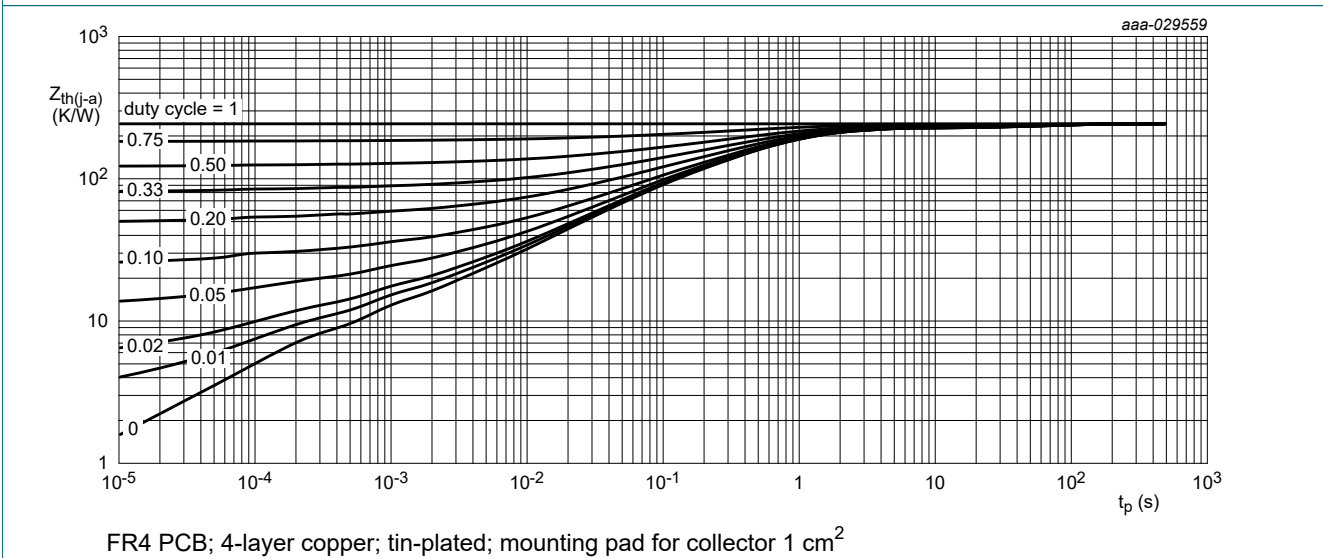


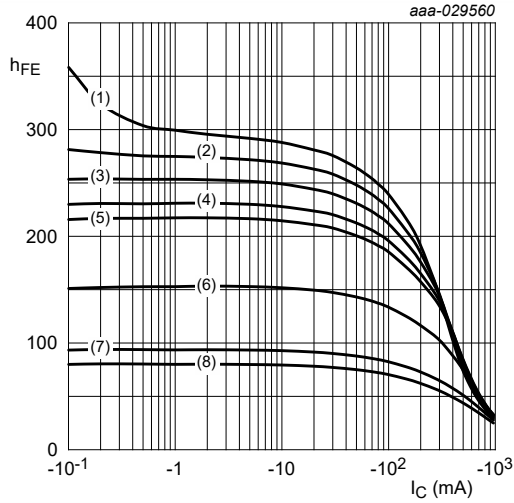
Fig. 6. Transient thermal impedance from junction to ambient as a function of pulse duration; typical values

## 10. Characteristics

Table 8. Characteristics

Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
$V_{(BR)CBO}$	collector-base breakdown voltage	$I_C = -100 \mu\text{A}$ ; $I_E = 0 \text{ A}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	-50	-		V	
$V_{(BR)CEO}$	collector-emitter breakdown voltage	$I_C = -10 \text{ mA}$ ; $I_B = 0 \text{ A}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	-45	-		V	
$V_{(BR)EBO}$	emitter-base breakdown voltage	$I_E = -100 \mu\text{A}$ ; $I_C = 0 \text{ A}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	-7	-		V	
$I_{CBO}$	collector-base cut-off current	$V_{CB} = -25 \text{ V}$ ; $I_E = 0 \text{ A}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	-	-	-100	nA	
		$V_{CB} = -25 \text{ V}$ ; $I_E = 0 \text{ A}$ ; $T_j = 150 \text{ }^\circ\text{C}$	-	-	-5	$\mu\text{A}$	
$I_{EBO}$	emitter-base cut-off current	$V_{EB} = -5 \text{ V}$ ; $I_C = 0 \text{ A}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	-	-	-100	nA	
$h_{FE}$	DC current gain						
	BC807-16H-Q	$V_{CE} = -1 \text{ V}$ ; $I_C = -100 \text{ mA}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	[1]	100	-	250	
	BC807-25H-Q		[1]	160	-	400	
	BC807-40H-Q		[1]	250	-	600	
	DC current gain	$V_{CE} = -1 \text{ V}$ ; $I_C = -500 \text{ mA}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	[1]	40	-	-	
$V_{CEsat}$	collector-emitter saturation voltage	$I_C = -500 \text{ mA}$ ; $I_B = -50 \text{ mA}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	[1]	-	-	-700	mV
$V_{BEsat}$	base-emitter saturation voltage	$I_C = -500 \text{ mA}$ ; $I_B = -50 \text{ mA}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	[1]	-	-	-1.2	V
$V_{BE}$	base-emitter voltage	$V_{CE} = -1 \text{ V}$ ; $I_C = -500 \text{ mA}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$	[1]	-	-	-1.2	V
$f_T$	transition frequency	$V_{CE} = -5 \text{ V}$ ; $I_C = -10 \text{ mA}$ ; $f = 100 \text{ MHz}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$		80	-	-	MHz
$C_c$	collector capacitance	$V_{CB} = -10 \text{ V}$ ; $I_E = i_e = 0 \text{ A}$ ; $f = 1 \text{ MHz}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$		-	7	-	pF
$C_e$	emitter capacitance	$V_{EB} = -0.5 \text{ V}$ ; $I_C = i_c = 0 \text{ A}$ ; $f = 1 \text{ MHz}$ ; $T_{\text{amb}} = 25 \text{ }^\circ\text{C}$					
	BC807-16H-Q			-	50	-	pF
	BC807-25H-Q			-	45	-	pF
	BC807-40H-Q			-	37	-	pF

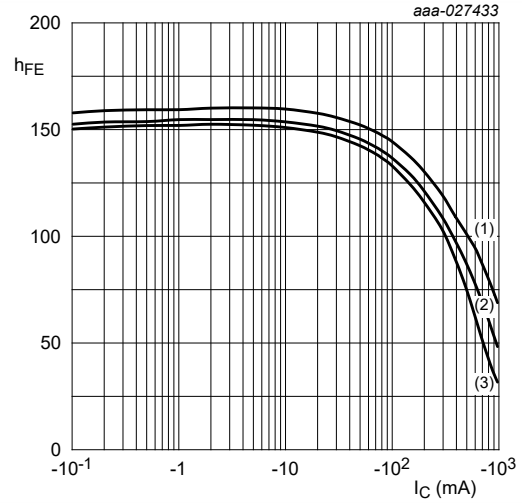
[1] pulsed;  $t_p \leq 300 \mu\text{s}$ ;  $\delta \leq 0.02$



$V_{CE} = -1 \text{ V}$

- (1)  $T_{amb} = 175 \text{ }^\circ\text{C}$
- (2)  $T_{amb} = 150 \text{ }^\circ\text{C}$
- (3)  $T_{amb} = 125 \text{ }^\circ\text{C}$
- (4)  $T_{amb} = 100 \text{ }^\circ\text{C}$
- (5)  $T_{amb} = 85 \text{ }^\circ\text{C}$
- (6)  $T_{amb} = 25 \text{ }^\circ\text{C}$
- (7)  $T_{amb} = -40 \text{ }^\circ\text{C}$
- (8)  $T_{amb} = -55 \text{ }^\circ\text{C}$

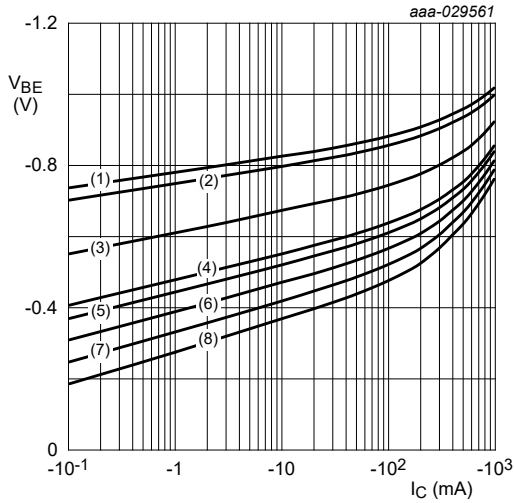
Fig. 7. BC807-16H-Q: DC current gain as a function of collector current; typical values



$T_{amb} = 25 \text{ }^\circ\text{C}$

- (1)  $V_{CE} = -5 \text{ V}$
- (2)  $V_{CE} = -2 \text{ V}$
- (3)  $V_{CE} = -1 \text{ V}$

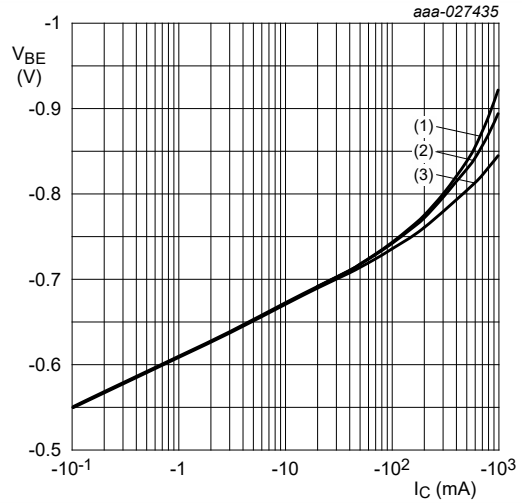
Fig. 8. BC807-16H-Q: DC current gain as a function of collector current; typical values



$V_{CE} = -1 \text{ V}$

- (1)  $T_{amb} = -55 \text{ }^\circ\text{C}$
- (2)  $T_{amb} = -40 \text{ }^\circ\text{C}$
- (3)  $T_{amb} = 25 \text{ }^\circ\text{C}$
- (4)  $T_{amb} = 85 \text{ }^\circ\text{C}$
- (5)  $T_{amb} = 100 \text{ }^\circ\text{C}$
- (6)  $T_{amb} = 125 \text{ }^\circ\text{C}$
- (7)  $T_{amb} = 150 \text{ }^\circ\text{C}$
- (8)  $T_{amb} = 175 \text{ }^\circ\text{C}$

Fig. 9. BC807-16H-Q: Base-emitter voltage as a function of collector current; typical values

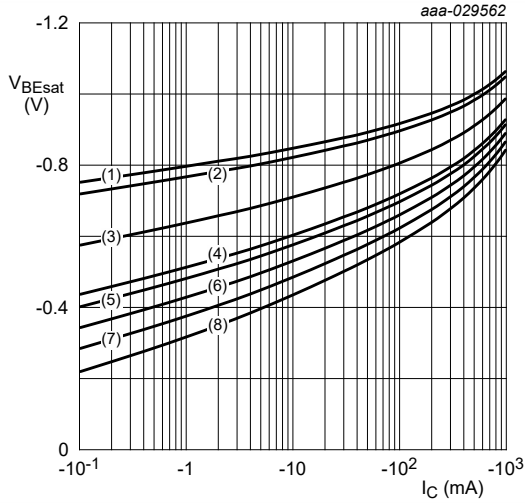


$T_{amb} = 25 \text{ }^\circ\text{C}$

- (1)  $V_{CE} = -1 \text{ V}$
- (2)  $V_{CE} = -2 \text{ V}$
- (3)  $V_{CE} = -5 \text{ V}$

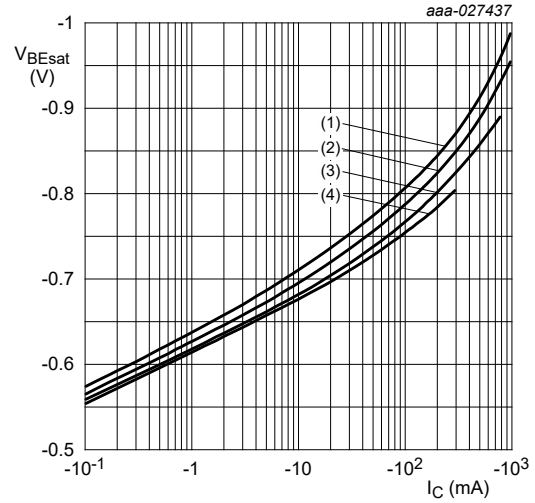
Fig. 10. BC807-16H-Q: Base-emitter voltage as a function of collector current; typical values





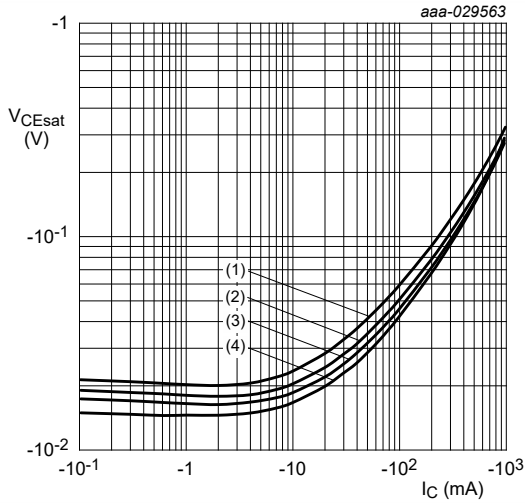
- $I_C/I_B = 10$
- (1)  $T_{amb} = -55\text{ °C}$
  - (2)  $T_{amb} = -40\text{ °C}$
  - (3)  $T_{amb} = 25\text{ °C}$
  - (4)  $T_{amb} = 85\text{ °C}$
  - (5)  $T_{amb} = 100\text{ °C}$
  - (6)  $T_{amb} = 125\text{ °C}$
  - (7)  $T_{amb} = 150\text{ °C}$
  - (8)  $T_{amb} = 175\text{ °C}$

Fig. 11. BC807-16H-Q: Base-emitter saturation voltage as a function of collector current; typical values



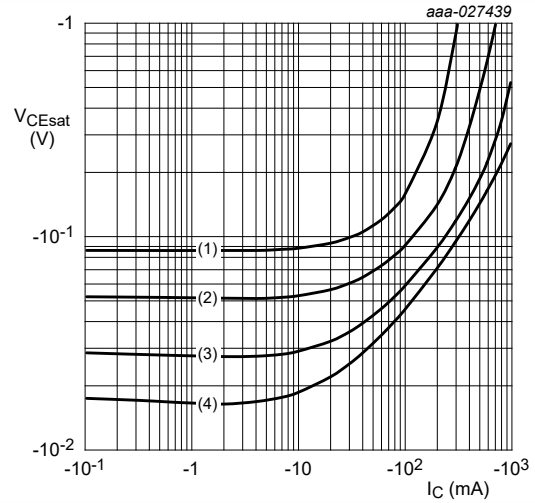
- $T_{amb} = 25\text{ °C}$
- (1)  $I_C/I_B = 10$
  - (2)  $I_C/I_B = 20$
  - (3)  $I_C/I_B = 50$
  - (4)  $I_C/I_B = 100$

Fig. 12. BC807-16H-Q: Base-emitter saturation voltage as a function of collector current; typical values



- $I_C/I_B = 10$
- (1)  $T_{amb} = 175\text{ °C}$
  - (2)  $T_{amb} = 85\text{ °C}$
  - (3)  $T_{amb} = 25\text{ °C}$
  - (4)  $T_{amb} = -40\text{ °C}$

Fig. 13. BC807-16H-Q: Collector-emitter saturation voltage as a function of collector current; typical values



- $T_{amb} = 25\text{ °C}$
- (1)  $I_C/I_B = 100$
  - (2)  $I_C/I_B = 50$
  - (3)  $I_C/I_B = 20$
  - (4)  $I_C/I_B = 10$

Fig. 14. BC807-16H-Q: Collector-emitter saturation voltage as a function of collector current; typical values

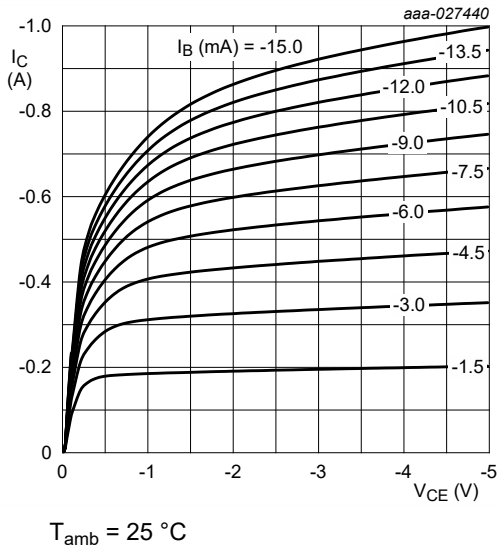


Fig. 15. BC807-16H-Q: Collector current as a function of collector-emitter voltage; typical values

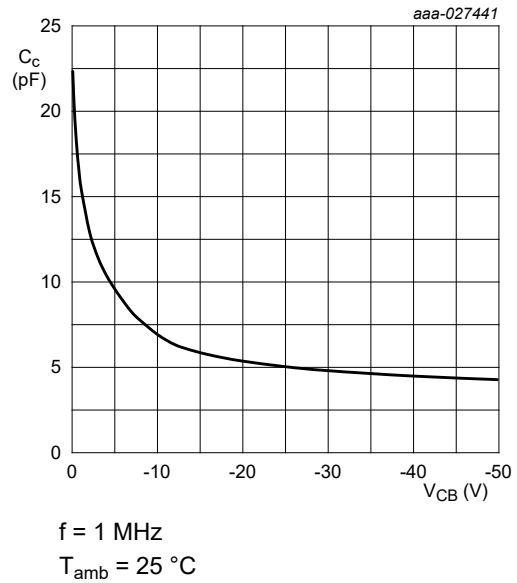


Fig. 16. BC807-16H-Q: Collector capacitance as a function of collector-base voltage; typical values

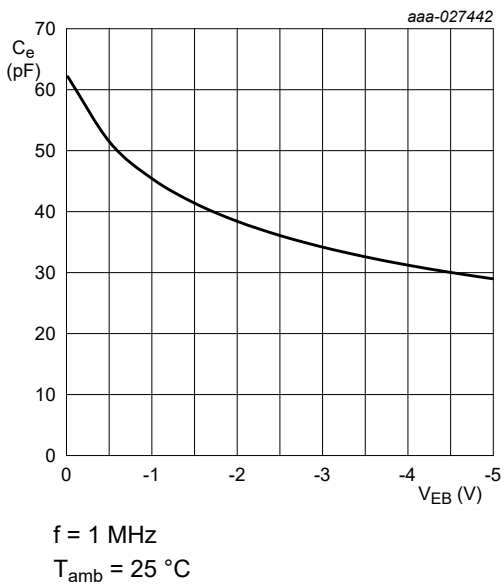


Fig. 17. BC807-16H-Q: Emitter capacitance as a function of emitter-base voltage; typical values

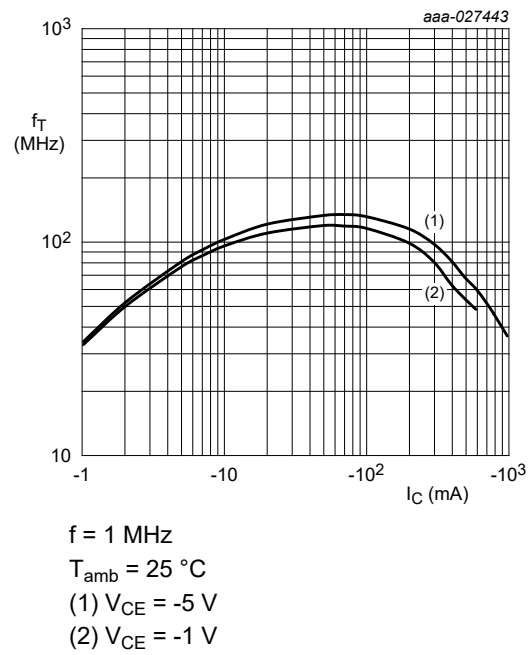
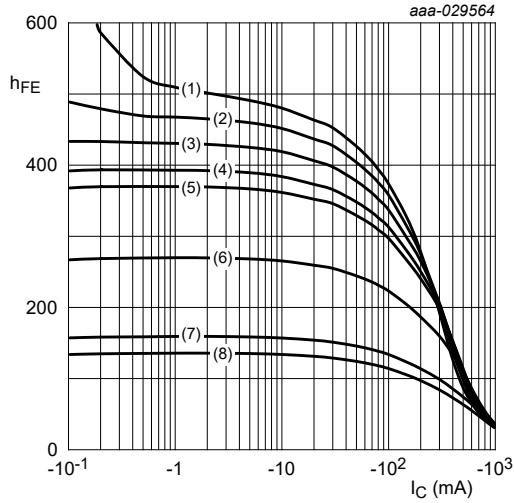


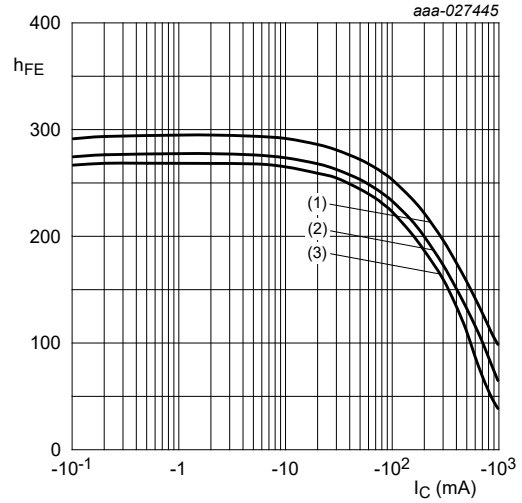
Fig. 18. BC807-16H-Q: Transition frequency as a function of collector current; typical values



$V_{CE} = -1 \text{ V}$

- (1)  $T_{amb} = 175 \text{ }^\circ\text{C}$
- (2)  $T_{amb} = 150 \text{ }^\circ\text{C}$
- (3)  $T_{amb} = 125 \text{ }^\circ\text{C}$
- (4)  $T_{amb} = 100 \text{ }^\circ\text{C}$
- (5)  $T_{amb} = 85 \text{ }^\circ\text{C}$
- (6)  $T_{amb} = 25 \text{ }^\circ\text{C}$
- (7)  $T_{amb} = -40 \text{ }^\circ\text{C}$
- (8)  $T_{amb} = -55 \text{ }^\circ\text{C}$

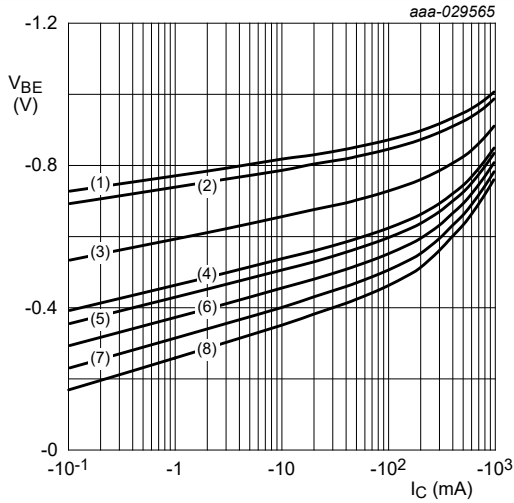
Fig. 19. BC807-25H-Q: DC current gain as a function of collector current; typical values



$T_{amb} = 25 \text{ }^\circ\text{C}$

- (1)  $V_{CE} = -5 \text{ V}$
- (2)  $V_{CE} = -2 \text{ V}$
- (3)  $V_{CE} = -1 \text{ V}$

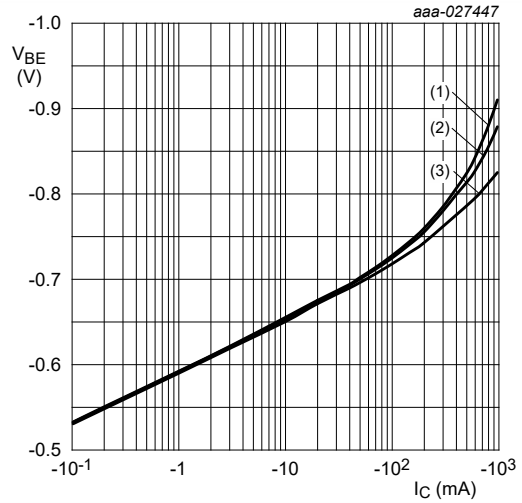
Fig. 20. BC807-25H-Q: DC current gain as a function of collector current; typical values



$V_{CE} = -1 \text{ V}$

- (1)  $T_{amb} = -55 \text{ }^\circ\text{C}$
- (2)  $T_{amb} = -40 \text{ }^\circ\text{C}$
- (3)  $T_{amb} = 25 \text{ }^\circ\text{C}$
- (4)  $T_{amb} = 85 \text{ }^\circ\text{C}$
- (5)  $T_{amb} = 100 \text{ }^\circ\text{C}$
- (6)  $T_{amb} = 125 \text{ }^\circ\text{C}$
- (7)  $T_{amb} = 150 \text{ }^\circ\text{C}$
- (8)  $T_{amb} = 175 \text{ }^\circ\text{C}$

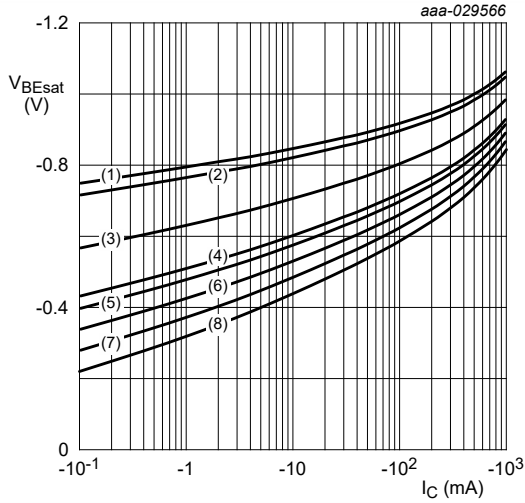
Fig. 21. BC807-25H-Q: Base-emitter voltage as a function of collector current; typical values



$T_{amb} = 25 \text{ }^\circ\text{C}$

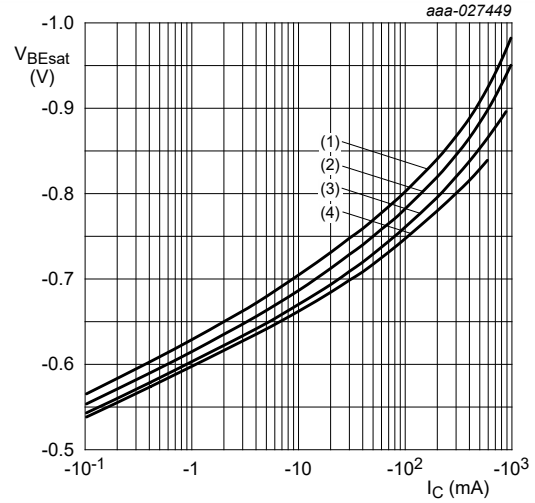
- (1)  $V_{CE} = -1 \text{ V}$
- (2)  $V_{CE} = -2 \text{ V}$
- (3)  $V_{CE} = -5 \text{ V}$

Fig. 22. BC807-25H-Q: Base-emitter voltage as a function of collector current; typical values



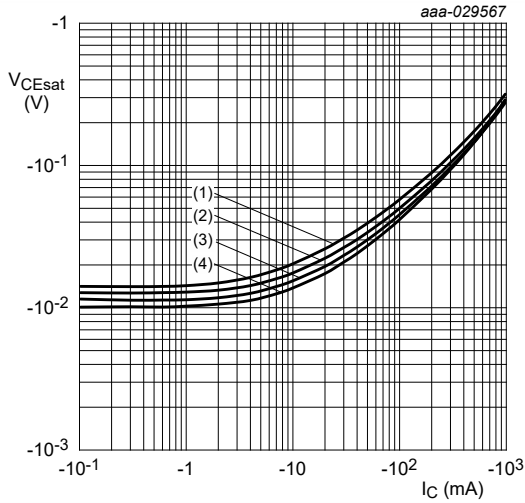
- $I_C/I_B = 10$
- (1)  $T_{amb} = -55\text{ °C}$
  - (2)  $T_{amb} = -40\text{ °C}$
  - (3)  $T_{amb} = 25\text{ °C}$
  - (4)  $T_{amb} = 85\text{ °C}$
  - (5)  $T_{amb} = 100\text{ °C}$
  - (6)  $T_{amb} = 125\text{ °C}$
  - (7)  $T_{amb} = 150\text{ °C}$
  - (8)  $T_{amb} = 175\text{ °C}$

Fig. 23. BC807-25H-Q: Base-emitter saturation voltage as a function of collector current; typical values



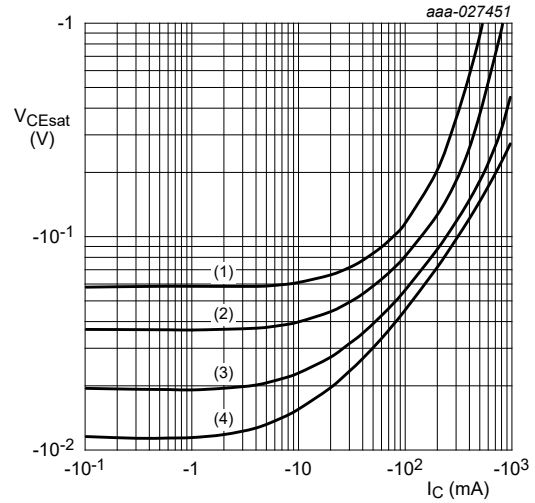
- $T_{amb} = 25\text{ °C}$
- (1)  $I_C/I_B = 10$
  - (2)  $I_C/I_B = 20$
  - (3)  $I_C/I_B = 50$
  - (4)  $I_C/I_B = 100$

Fig. 24. BC807-25H-Q: Base-emitter saturation voltage as a function of collector current; typical values



- $I_C/I_B = 10$
- (1)  $T_{amb} = 175\text{ °C}$
  - (2)  $T_{amb} = 85\text{ °C}$
  - (3)  $T_{amb} = 25\text{ °C}$
  - (4)  $T_{amb} = -40\text{ °C}$

Fig. 25. BC807-25H-Q: Collector-emitter saturation voltage as a function of collector current; typical values



- $T_{amb} = 25\text{ °C}$
- (1)  $I_C/I_B = 100$
  - (2)  $I_C/I_B = 50$
  - (3)  $I_C/I_B = 20$
  - (4)  $I_C/I_B = 10$

Fig. 26. BC807-25H-Q: Collector-emitter saturation voltage as a function of collector current; typical values

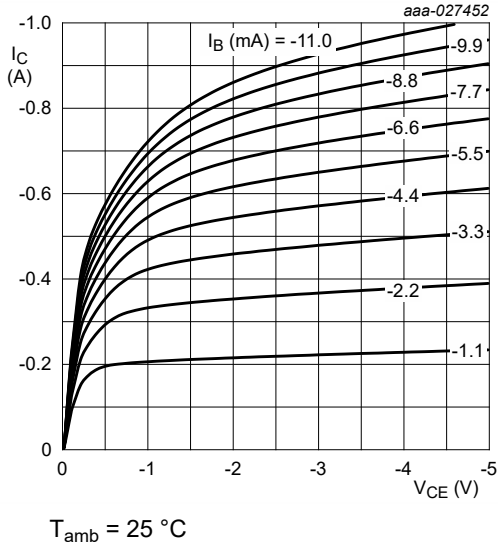


Fig. 27. BC807-25H-Q: Collector current as a function of collector-emitter voltage; typical values

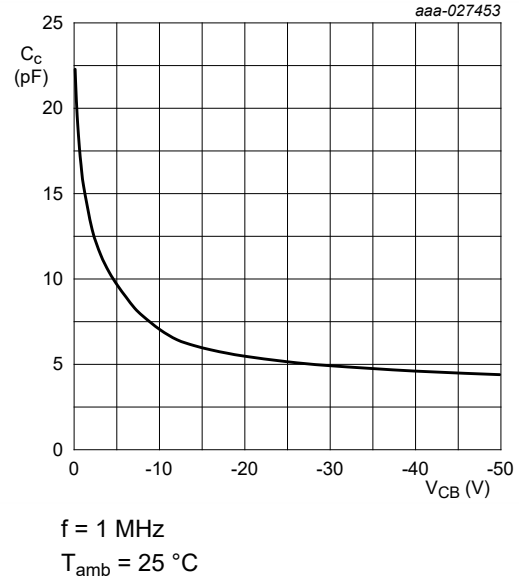


Fig. 28. BC807-25H-Q: Collector capacitance as a function of collector-base voltage; typical values

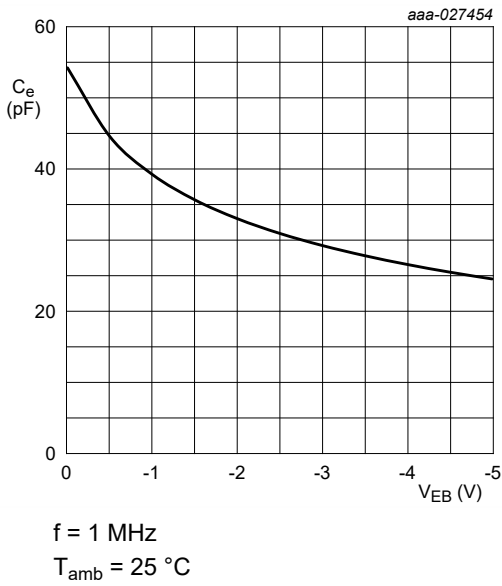


Fig. 29. BC807-25H-Q: Emitter capacitance as a function of emitter-base voltage; typical values

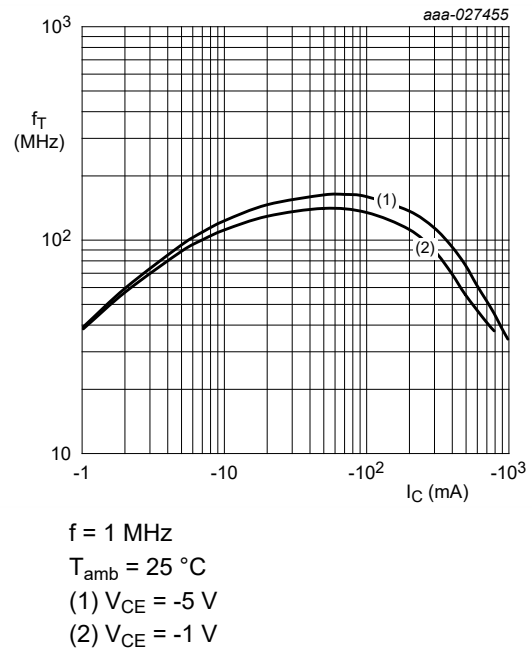
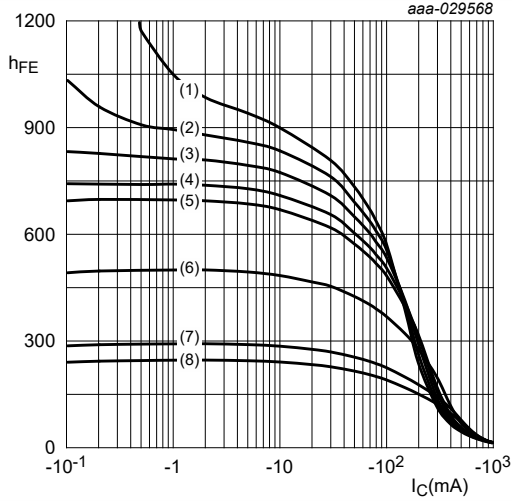


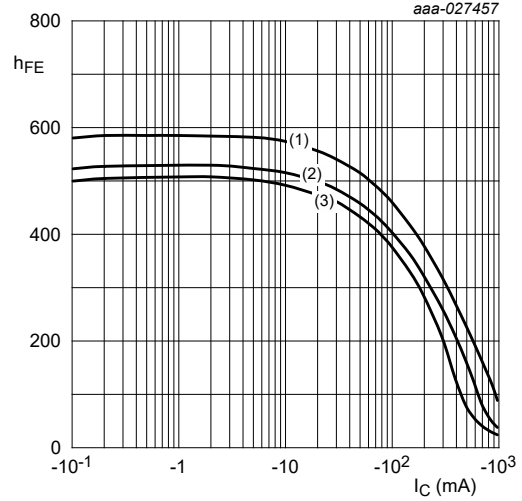
Fig. 30. BC807-25H-Q: Transition frequency as a function of collector current; typical values



$V_{CE} = -1 \text{ V}$

- (1)  $T_{amb} = 175 \text{ }^\circ\text{C}$
- (2)  $T_{amb} = 150 \text{ }^\circ\text{C}$
- (3)  $T_{amb} = 125 \text{ }^\circ\text{C}$
- (4)  $T_{amb} = 100 \text{ }^\circ\text{C}$
- (5)  $T_{amb} = 85 \text{ }^\circ\text{C}$
- (6)  $T_{amb} = 25 \text{ }^\circ\text{C}$
- (7)  $T_{amb} = -40 \text{ }^\circ\text{C}$
- (8)  $T_{amb} = -55 \text{ }^\circ\text{C}$

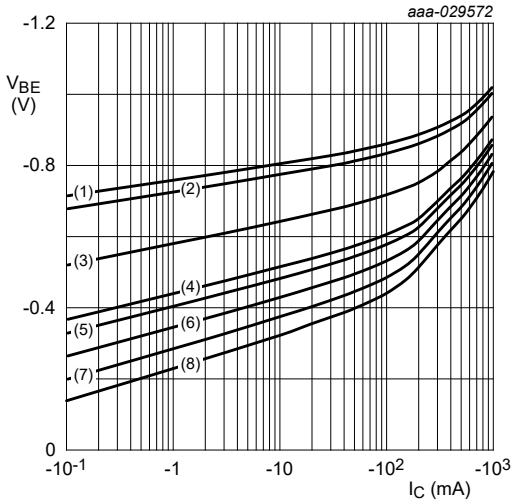
Fig. 31. BC807-40H-Q: DC current gain as a function of collector current; typical values



$T_{amb} = 25 \text{ }^\circ\text{C}$

- (1)  $V_{CE} = -5 \text{ V}$
- (2)  $V_{CE} = -2 \text{ V}$
- (3)  $V_{CE} = -1 \text{ V}$

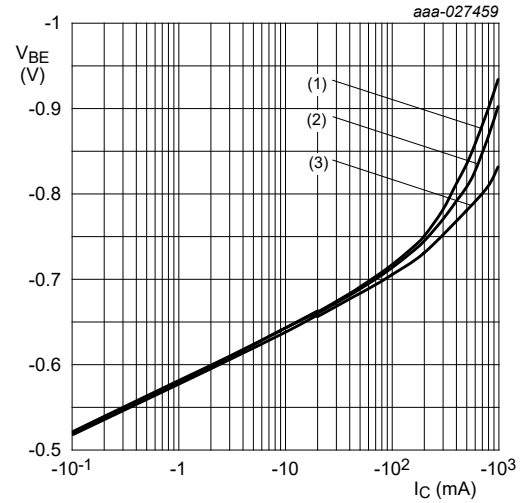
Fig. 32. BC807-40H-Q: DC current gain as a function of collector current; typical values



$V_{CE} = -1 \text{ V}$

- (1)  $T_{amb} = -55 \text{ }^\circ\text{C}$
- (2)  $T_{amb} = -40 \text{ }^\circ\text{C}$
- (3)  $T_{amb} = 25 \text{ }^\circ\text{C}$
- (4)  $T_{amb} = 85 \text{ }^\circ\text{C}$
- (5)  $T_{amb} = 100 \text{ }^\circ\text{C}$
- (6)  $T_{amb} = 125 \text{ }^\circ\text{C}$
- (7)  $T_{amb} = 150 \text{ }^\circ\text{C}$
- (8)  $T_{amb} = 175 \text{ }^\circ\text{C}$

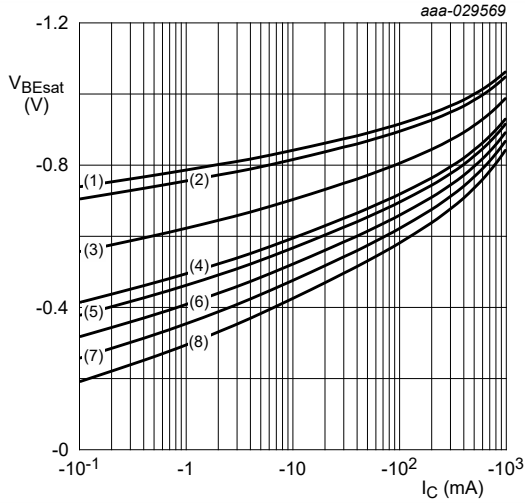
Fig. 33. BC807-40H-Q: Base-emitter voltage as a function of collector current; typical values



$T_{amb} = 25 \text{ }^\circ\text{C}$

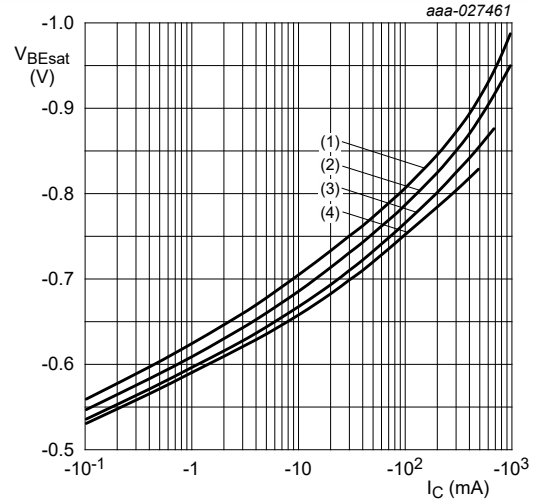
- (1)  $V_{CE} = -1 \text{ V}$
- (2)  $V_{CE} = -2 \text{ V}$
- (3)  $V_{CE} = -5 \text{ V}$

Fig. 34. BC807-40H-Q: Base-emitter voltage as a function of collector current; typical values



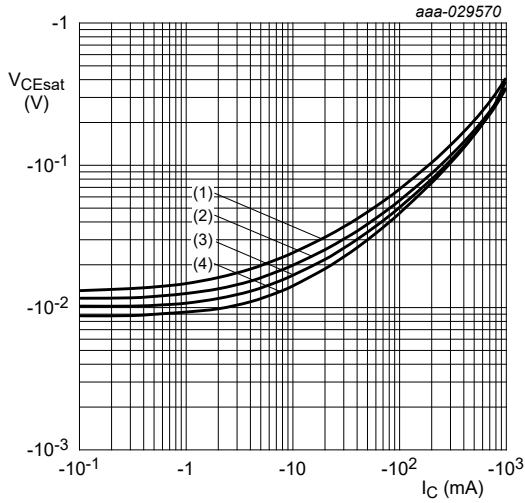
- $I_C/I_B = 10$
- (1)  $T_{amb} = -55\text{ °C}$
  - (2)  $T_{amb} = -40\text{ °C}$
  - (3)  $T_{amb} = 25\text{ °C}$
  - (4)  $T_{amb} = 85\text{ °C}$
  - (5)  $T_{amb} = 100\text{ °C}$
  - (6)  $T_{amb} = 125\text{ °C}$
  - (7)  $T_{amb} = 150\text{ °C}$
  - (8)  $T_{amb} = 175\text{ °C}$

Fig. 35. BC807-40H-Q: Base-emitter saturation voltage as a function of collector current; typical values



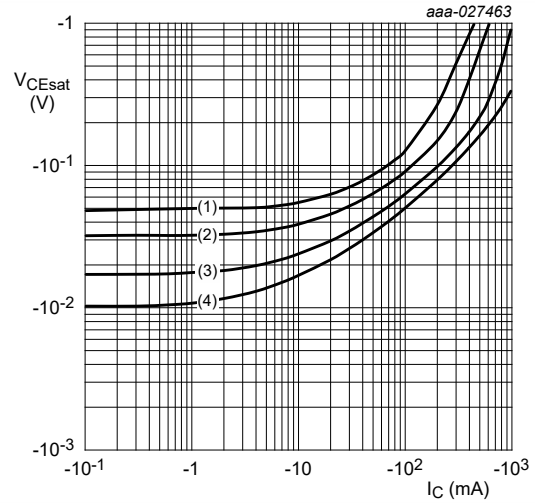
- $T_{amb} = 25\text{ °C}$
- (1)  $I_C/I_B = 10$
  - (2)  $I_C/I_B = 20$
  - (3)  $I_C/I_B = 50$
  - (4)  $I_C/I_B = 100$

Fig. 36. BC807-40H-Q: Base-emitter saturation voltage as a function of collector current; typical values



- $I_C/I_B = 10$
- (1)  $T_{amb} = 175\text{ °C}$
  - (2)  $T_{amb} = 85\text{ °C}$
  - (3)  $T_{amb} = 25\text{ °C}$
  - (4)  $T_{amb} = -40\text{ °C}$

Fig. 37. BC807-40H-Q: Collector-emitter saturation voltage as a function of collector current; typical values



- $T_{amb} = 25\text{ °C}$
- (1)  $I_C/I_B = 100$
  - (2)  $I_C/I_B = 50$
  - (3)  $I_C/I_B = 20$
  - (4)  $I_C/I_B = 10$

Fig. 38. BC807-40H-Q: Collector-emitter saturation voltage as a function of collector current; typical values

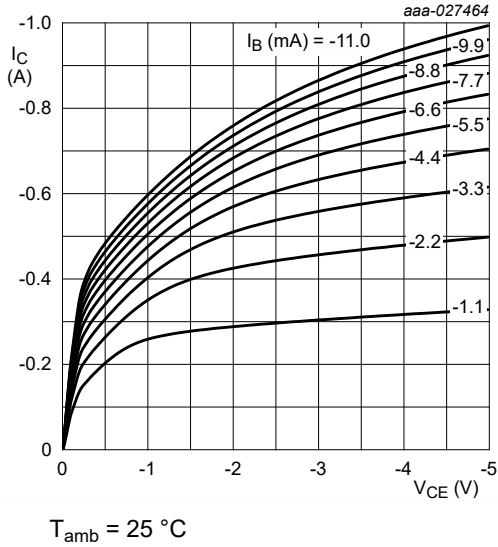


Fig. 39. BC807-40H-Q: Collector current as a function of collector-emitter voltage; typical values

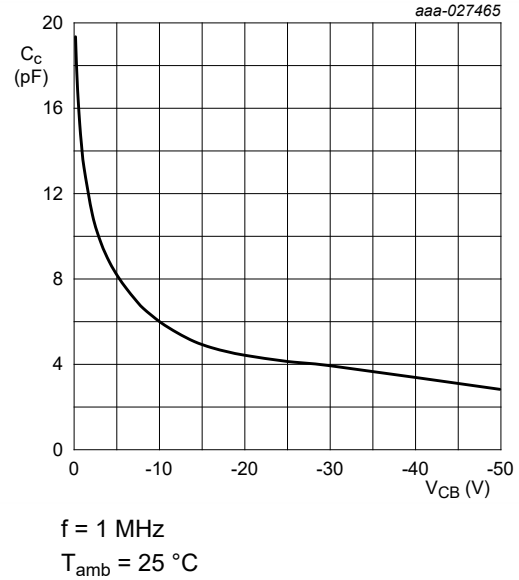


Fig. 40. BC807-40H-Q: Collector capacitance as a function of collector-base voltage; typical values

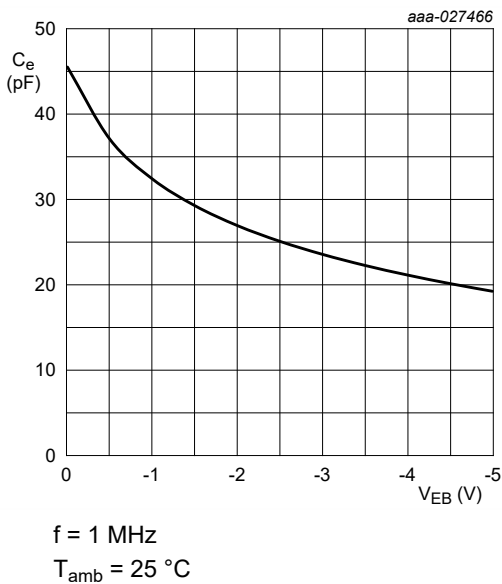


Fig. 41. BC807-40H-Q: Emitter capacitance as a function of emitter-base voltage; typical values

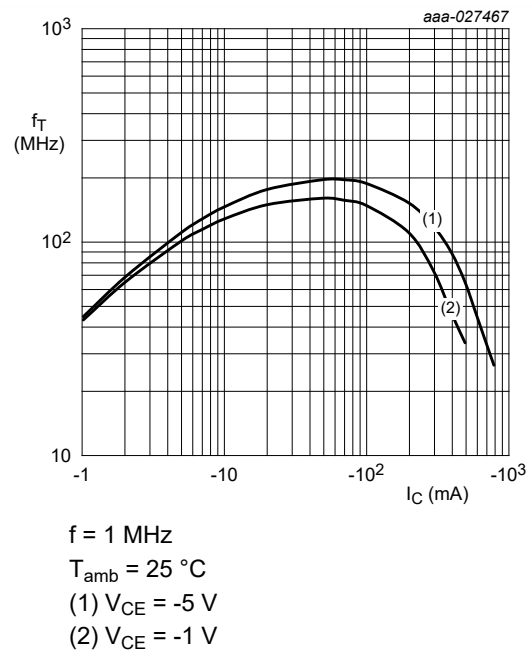


Fig. 42. BC807-40H-Q: Transition frequency as a function of collector current; typical values

## 11. Test information

### 11.1. Quality information

This product has been qualified in accordance with the Automotive Electronics Council (AEC) standard Q101 - *Stress test qualification for discrete semiconductors*, and is suitable for use in automotive applications.



## 12. Package outline

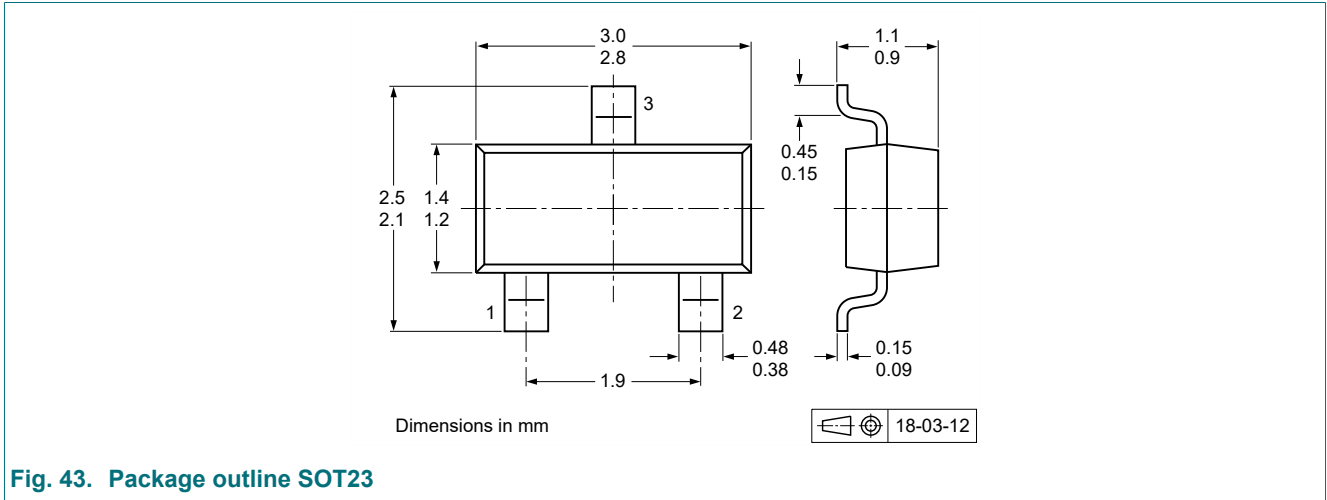


Fig. 43. Package outline SOT23

13. Soldering

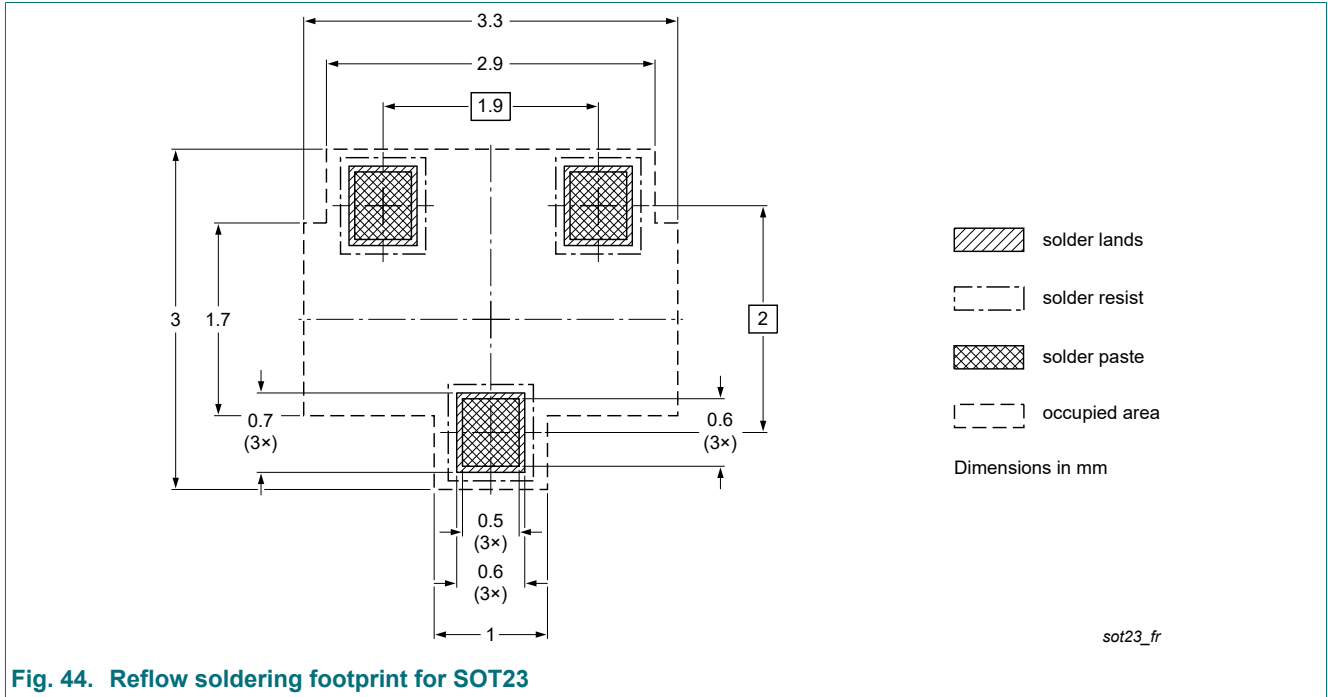


Fig. 44. Reflow soldering footprint for SOT23

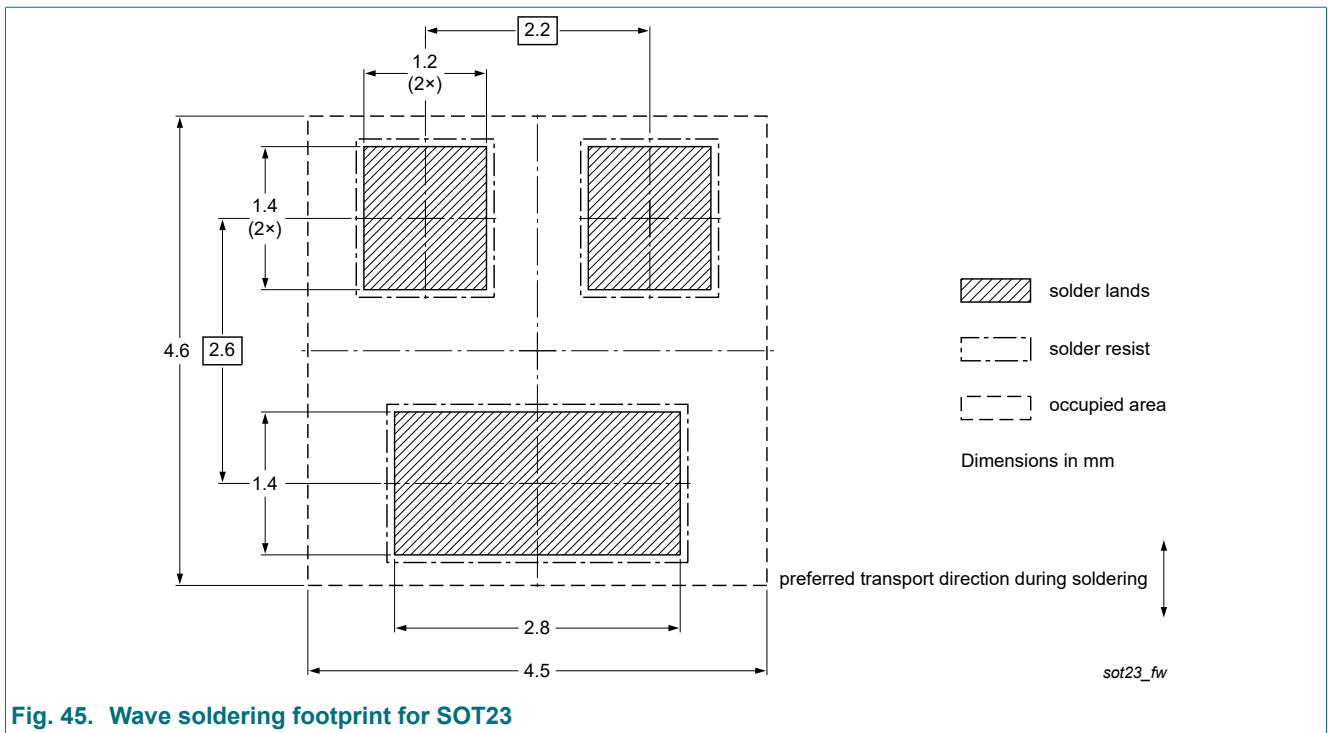


Fig. 45. Wave soldering footprint for SOT23

## 14. Revision history

Table 9. Revision history

Data sheet ID	Release date	Data sheet status	Change notice	Supersedes
BC807H-Q_SER v.1	20231018	Product data sheet	-	-

## 15. Legal information

### Data sheet status

Document status [1][2]	Product status [3]	Definition
Objective [short] data sheet	Development	This document contains data from the objective specification for product development.
Preliminary [short] data sheet	Qualification	This document contains data from the preliminary specification.
Product [short] data sheet	Production	This document contains the product specification.

- [1] Please consult the most recently issued document before initiating or completing a design.
- [2] The term 'short data sheet' is explained in section "Definitions".
- [3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the internet at <https://www.nexperia.com>.

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