



BC857AQB

45 V, 100 mA PNP general-purpose transistors

 AUTOMOTIVE QUALIFIED

PNP general-purpose transistor in an ultra small DFN1110D-3 (SOT8015) leadless Surface-Mounted Device (SMD) plastic package with side-wettable flanks.

Table 1. Product overview

Type number	Package		NPN complement:
	Nexperia	JEDEC	
BC857AQB	SOT8015	MO-340BA	BC847AQB
BC857BQB			BC847BQB
BC857CQB			BC847CQB

Features and benefits

- High power dissipation capability
- Suitable for Automatic Optical Inspection (AOI) of solder joint
- Smaller footprint compared to conventional leaded SMD packages
- Low package height of 0.5 mm
- AEC-Q101 qualified

Applications

- General-purpose switching and amplification
- Space restricted applications

Parametrics

Type number

Package version




Package name


Size (mm)

Type number	Package version	Package name	Size (mm)
BC857AQB	SOT8015	DFN1110D-3	1.1 x 1 x 0.48

Package

Type number	Orderable part number, (Ordering code (12NC))	Status	Marking	Package	Package information	Reflow-/Wave soldering	Packing
BC857AQB	BC857AQBZ (9346 609 99147)	Samples available / Development	Standard Marking	 <u>DFN1110D-3</u> (SOT8015).	<u>SOT8015</u>		Reel 7" Q2/T3

The variants in the table below are discontinued. See the table [Discontinuation information](#) for more information.



Type number	Orderable part number, (Ordering code (12NC))	Status	Marking	Package	Package information	Reflow-/Wave soldering	Packing
BC857AQB	BC857AQBZ (9346 609 99317)	Withdrawn / End-of-life	Standard Marking	 <u>DFN1110D-3</u> (SOT8015).	<u>SOT8015</u>		REEL 7" Q1/T1-Q2/T3 SMD Pitch 2mm Large

Discontinuation information

Type number	Orderable part number	Ordering code	Last time buy date	Last time delivery date	Replacement product	Status	Comments
BC857AQB	BC857AQBZ	934660999317					

Quality, reliability & chemical content





Type number	Orderable part number	Chemical content	RoHS / RHF	MSL	MSL leadfree
BC857AQB	BC857AQBZ	<u>BC857AQB</u>	 	1	1

The variants in the table below are discontinued. See the table [Discontinuation information](#) for more information.

Type number	Orderable part number	Chemical content	RoHS / RHF	MSL	MSL leadfree
BC857AQB	BC857AQBZ	<u>BC857AQB</u>	 		

[Quality and reliability disclaimer](#)


Documentation (3)

File name	Title	Type	Date
 Nexperia_asset_document_brochure_autoDFN_2020	Small & light automotive diodes and transistors	Brochure	2020-06-19
 Nexperia_asset_document_brochure_autoDFN_2020_CN_LR	小巧轻便的汽车二极管和晶体管	Brochure	2020-07-03
 BC857AQB	BC857AQB SPICE model	SPICE model	2020-07-06

Support



If you are in need of design/technical support, let us know and fill in the [answer form](#), we'll get back to you shortly.

Models

File name	Title	Type	Date
 BC857AQB	BC857AQB SPICE model	SPICE model	2020-07-06

Ordering, pricing & availability



Type number	Orderable part number	Ordering code (12NC)	Packing	Buy online
BC857AQB	BC857AQBZ	934660999147	Reel 7" Q2/T3	 Order product
BC857AQB	BC857AQBZ	934660999317	REEL 7" Q1/T1-Q2/T3 SMD Pitch 2mm Large	 Order product

Sample

As a Nexperia customer you can order samples via our sales organization or directly via our Online Sample Store: <https://extranet.nexperia.com>.

Sample orders normally take 2-4 days for delivery.

If you do not have a direct account with Nexperia our network of global and regional distributors is available and equipped to support you with Nexperia samples.

