

## INDUSTRIAL COMPONENT DATA

# UBEA301 BE-A301 PANASONIC Optical Bubble Sensor for 3mm tube (NPN)

Brand: PANASONIC | Manufacturer Part Number: UBEA301



|                 |                                           |
|-----------------|-------------------------------------------|
| Manufacturer    | PANASONIC                                 |
| MPN / Reference | UBEA301                                   |
| Catalog number  | UBEA301                                   |
| Category        | Special Photoelectric Sensors - PANASONIC |
| Minimum order   | 1 unit                                    |
| Document ID     | EO-D7EDB01407                             |
| Generated       | 2026-07-29                                |

## Product Overview

UBEA301 BE-A301 PANASONIC Optical Bubble Sensor for 3mm tube (NPN)

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path PANASONIC &gt; Special Photoelectric Sensors - PANASONIC

## Additional Product Information

Product Number BE-A301

Part Number BE-A301

Product For small diameter tubes Optical Bubble Sensor

Details for  $\varnothing 3$  mm  $\varnothing 0.125$  in tube

Product name For small diameter tubes Optical Bubble Sensor BE-A

Item Specifications

Product Number BE-A301

Part Number BE-A301

Detectable air gap 0.8 mm 0.032 in or more

(Note) Sensing air gap refers to the width of an air bubble formed in the entire area of the inner diameter of the tube. Please note that this product cannot sense very small air bubbles or water drops.

Sensing object Liquid

(Note) Sensing is affected by dirt or residues adhered to the inner wall of the tube. Please maintain the tube regularly.

Applicable tube dia. (OD×ID)  $\varnothing 3$  mm ×  $\varnothing 2$  mm $\varnothing 1/8$  in ×  $\varnothing 1/16$  in

(Note) When using a tube out of specifications or it doesn't have a smooth surface, please test sensing on the actual machine before use.

Applicable tube type Transparent resin tube (equivalent to PFA)

(Note) When using a tube out of specifications or it doesn't have a smooth surface, please test sensing on the actual machine before use.

Supply voltage 5 to 24 V DC  $\pm 10\%$  Ripple P-P 10 % or less

Current consumption 15 mA or less

Output (Incorporated with 2 outputs) NPN open-collector transistor

- Maximum sink current: 50 mA
- Applied voltage: 30 V DC or less (between output and 0 V)
- Residual voltage: 2 V or less (sink current at 50 mA) 1 V or less (sink current at 16 mA)

Output (Incorporated with 2 outputs): Output operation Switchable either Liquid-absent-ON or Liquid-present-ON....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PANASONIC / UBEA301 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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