

Note: To absolutely avoid leakage of high humidity or condensation into the housing and to avoid corrosion of the soldering pads of the sensor, it is necessary to put glue between the Filter Cap and the sensor. This can be done by applying glue on the FR4 substrate of the sensor around the black cap before mounting the Filter Cap.

Sensirion recommends the following two glue types:

- Epoxy EE8016F-EB0363 from Loctite: <http://content.loctite-europe.com/tds/EE8016F-EB0363.pdf>
- SMA10SL from Electrolube: <http://www.electrolube.co.uk/docs/tds/SMA.pdf>

4 Dimensions, footprint and delivery

4.1 Dimensions

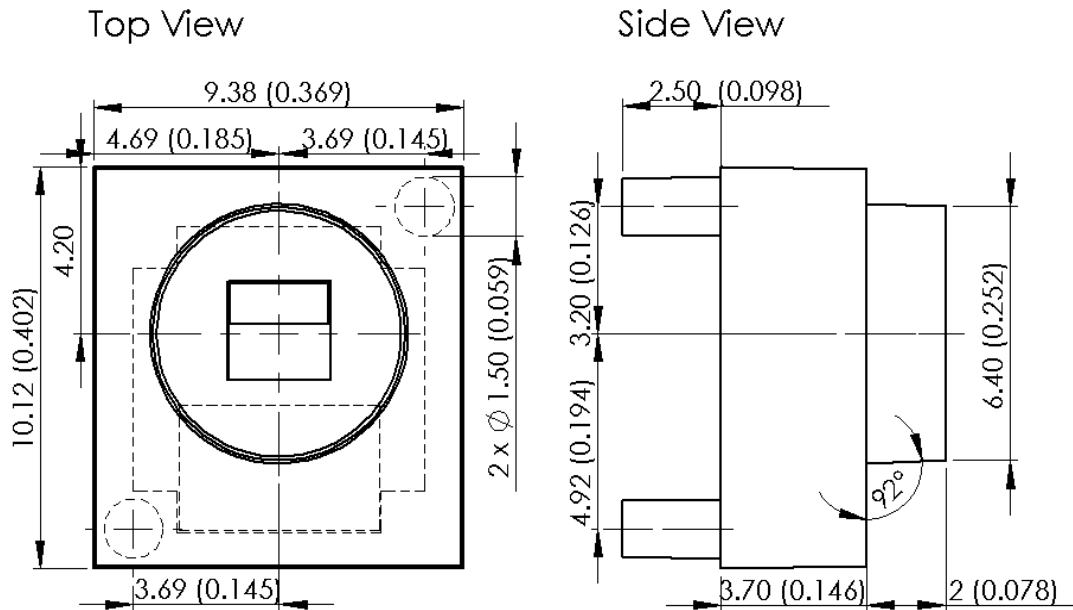


Figure 3 Dimensions of the Filter Cap in mm (inch), tolerances: +/- 0.03 mm

4.2 Footprint

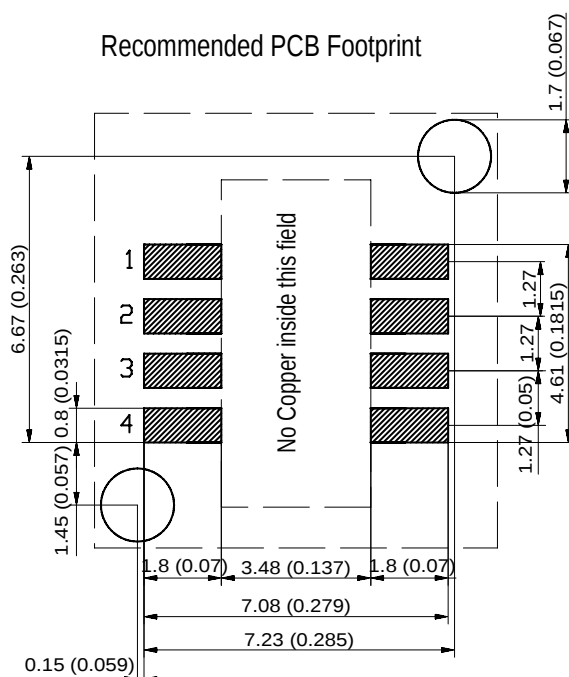


Figure 4 Footprint dimensions are in mm (inch)

4.3 Delivery Condition

Package containing 4 packs, each holding 100 pcs.

5 Revision history

Date	Version	Page(s)	Changes
September 2003	Preliminary	1-5	First release
March 2004	1.01	1-5	Reworked release, preliminary
November 2004	1.04	3	Added glue type for sealing and corrosion protection
February 2005	1.05	2	Changed specification for o-ring, added sourcing information for o-ring
May 25, 2005	1.06		Changed company address
October 2, 2006	1.1		Sensirion Inc. address added, disclaimer modified

The latest version of this document and all application notes can be found at:

<http://www.sensirion.com/humidity>

6 Important Notices

6.1 Warning, personal injury

Do not use this product as safety or emergency stop devices or in any other application where failure of the product could result in personal injury. Do not use this product for applications other than its intended and authorized use. Before installing, handling, using or servicing this product, please consult the data sheet and application notes. Failure to comply with these instructions could result in death or serious injury.

If the Buyer shall purchase or use SENSIRION products for any unintended or unauthorized application, Buyer shall defend, indemnify and hold harmless SENSIRION and its officers, employees, subsidiaries, affiliates and distributors against all claims, costs, damages and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if SENSIRION shall be allegedly negligent with respect to the design or the manufacture of the product.

6.2 ESD Precautions

The inherent design of this component causes it to be sensitive to electrostatic discharge (ESD). To prevent ESD-induced damage and/or degradation, take customary and statutory ESD precautions when handling this product.

See application note "ESD, Latchup and EMC" for more information.

6.3 Warranty

SENSIRION warrants solely to the original purchaser of this product for a period of 12 months (one year) from the date of delivery that this product shall be of the quality, material and workmanship defined in SENSIRION's published specifications of the product. Within such period, if proven to be defective, SENSIRION shall repair and/or replace this product, in SENSIRION's discretion, free of charge to the Buyer, provided that:

- notice in writing describing the defects shall be given to SENSIRION within fourteen (14) days after their appearance;
- such defects shall be found, to SENSIRION's reasonable satisfaction, to have arisen from SENSIRION's faulty design, material, or workmanship;
- the defective product shall be returned to SENSIRION's factory at the Buyer's expense; and
- the warranty period for any repaired or replaced product shall be limited to the unexpired portion of the original period.

This warranty does not apply to any equipment which has not been installed and used within the specifications recommended by SENSIRION for the intended and proper use of the equipment. EXCEPT FOR THE WARRANTIES EXPRESSLY SET FORTH HEREIN, SENSIRION MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCT. ANY AND ALL WARRANTIES, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY EXCLUDED AND DECLINED.

SENSIRION is only liable for defects of this product arising under the conditions of operation provided for in the data sheet and proper use of the goods. SENSIRION explicitly disclaims all warranties, express or implied, for any period during which the goods are operated or stored not in accordance with the technical specifications.