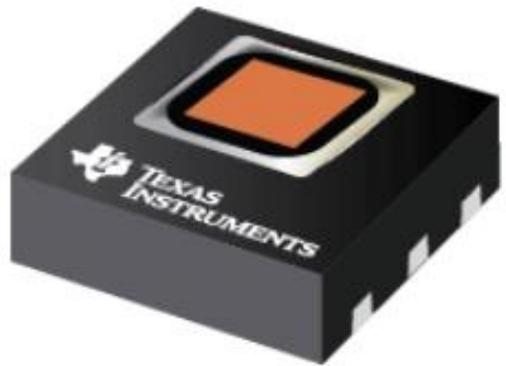


Storage and Handling

TI Precision Labs – Humidity Sensing

Presented and prepared by TJ Cartwright

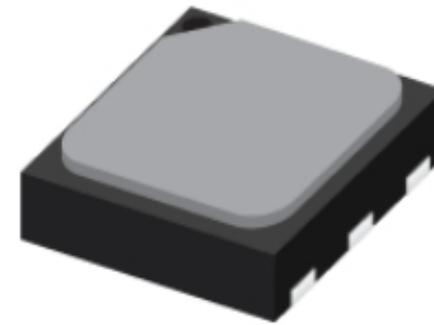
Device packaging differences



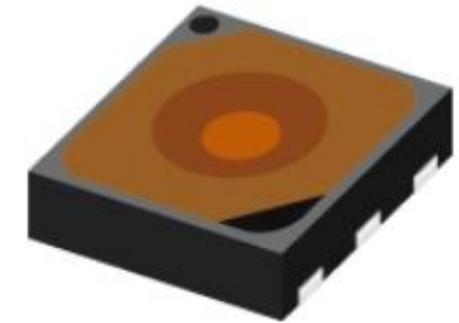
Open cavity
-or-
Bare package



Bottom side
open cavity



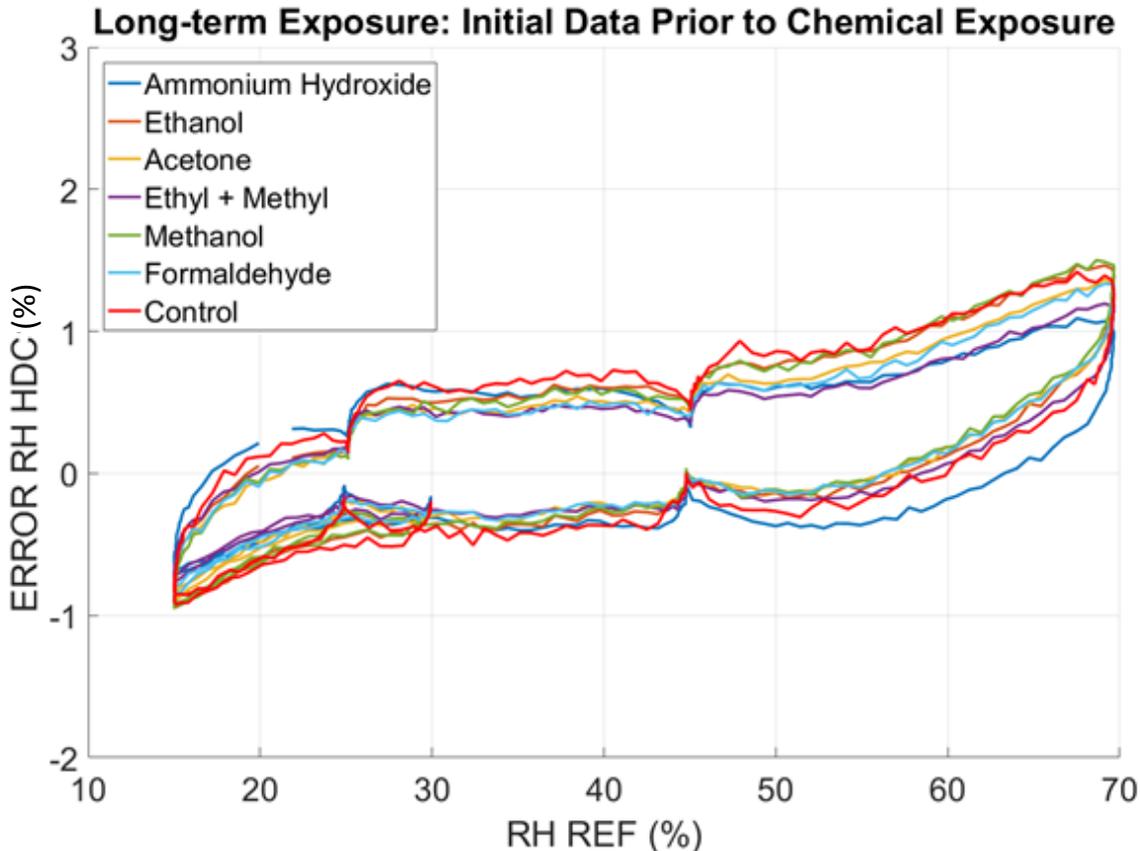
ePTFE
permanent
cover



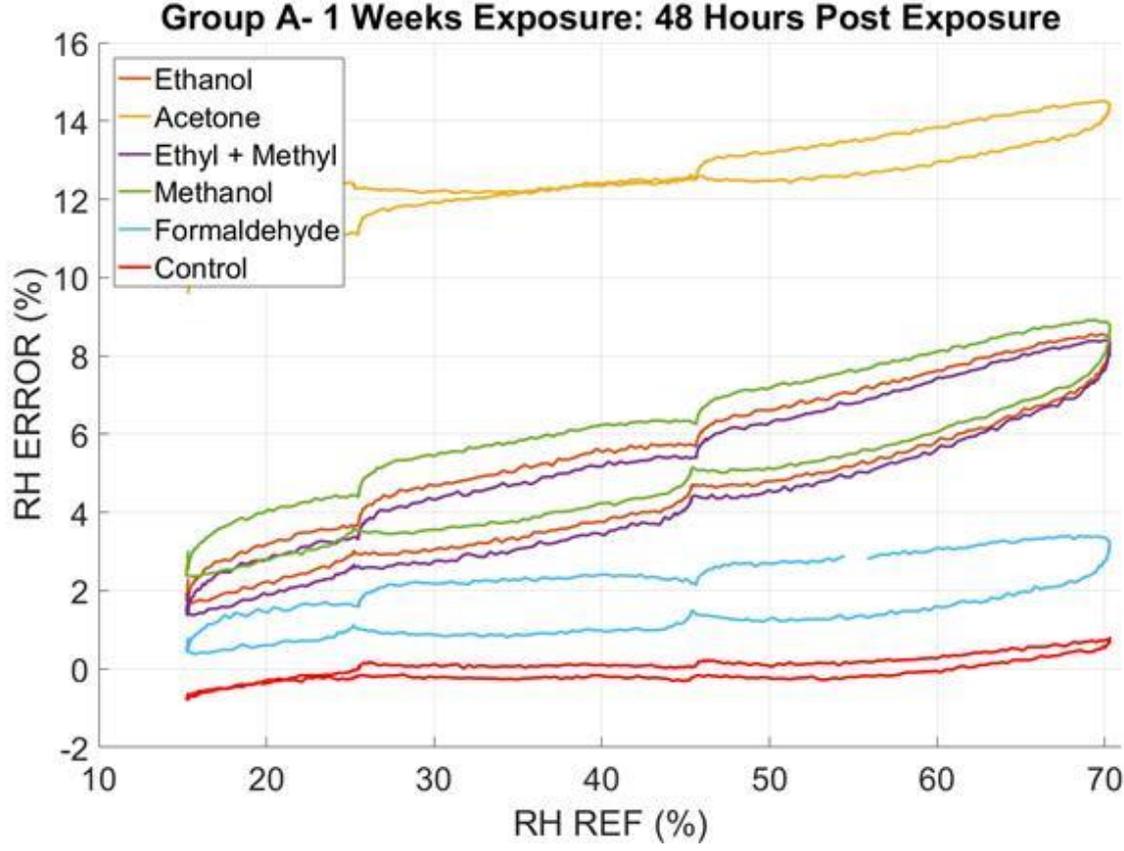
Kapton tape
cover

Device storage

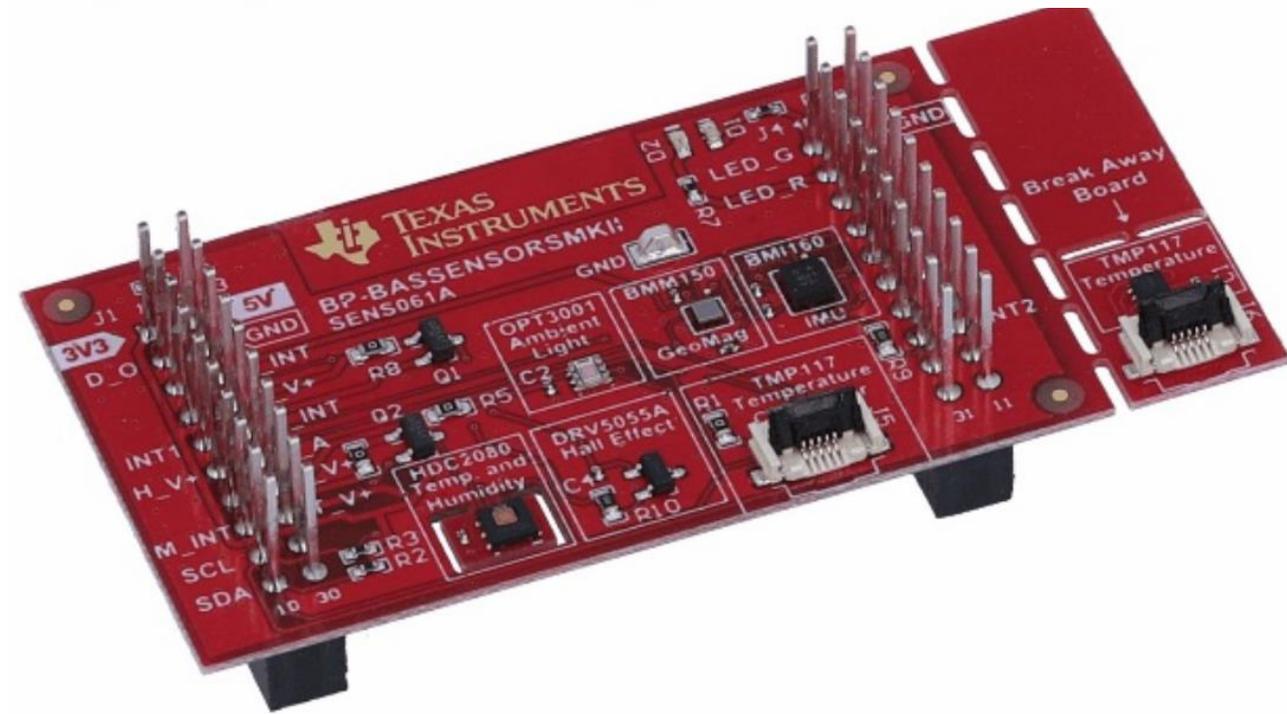
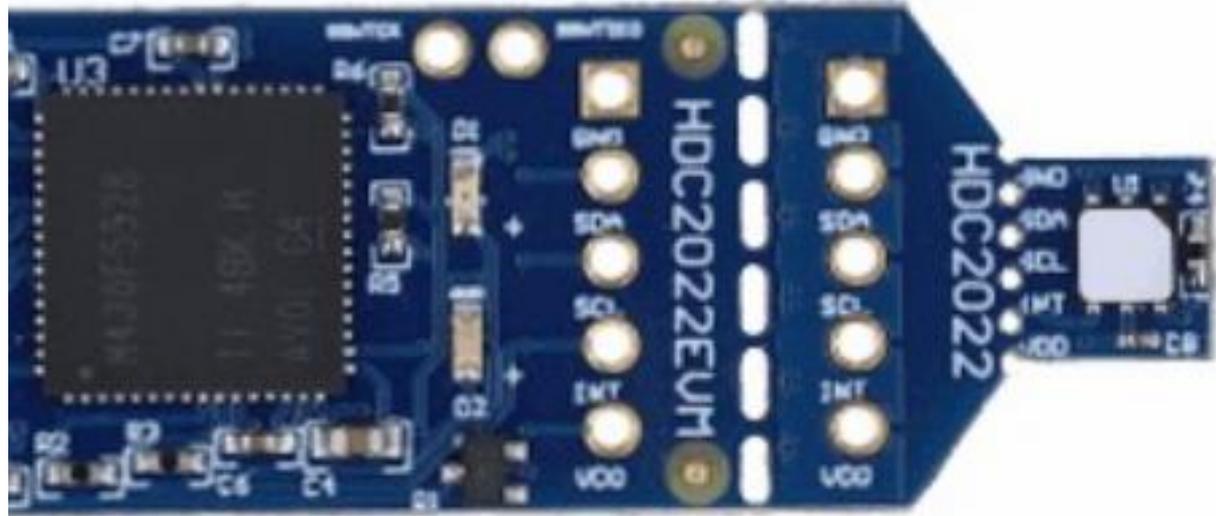
Pre Exposure



Post Exposure



PCB assembly



Open cavity: after board washes and conformal coating

Permanent filter: with other components or at final assembly if board needs conformal coating

Kapton tape: can be populated with all other components

Document reference



Silicon User's Guide:

<https://www.ti.com/lit/snau250>

MSL Ratings and Reflow Profiles:

<https://www.ti.com/lit/spraby1a>

Optimizing Placement and Routing for Humidity Sensors:

<https://www.ti.com/lit/snaa297>

Humidity Sensors:

<https://www.ti.com/lit/snaa318>

Thank you!

To find more humidity sensor resources and products visit ti.com/humidity