

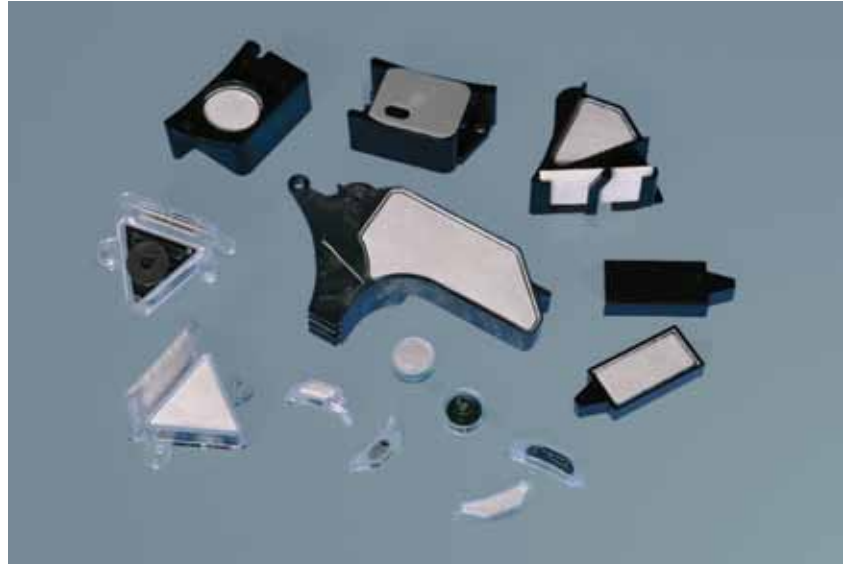


The Adsorbent Breathing Assembly (ABA) provides protection from particles, hydrocarbons, acid and base gases, and the effect of water vapor, such as condensation, corrosion, and fungal growth.

TYPICAL CONSTRUCTION

The ABA integrates a breather filter, adsorbent pouch filter, and a diffusion channel into a single filter assembly. A pressure-sensitive adhesive label secures the filter over an access port in the device. Typical ABAs include:

- **High efficiency PTFE membrane breather** - Acts as particulate barrier while allowing necessary gases to flow through
- **Diffusion channel** - Reduces the passage of gases and water vapor
- **Plastic housing** - Incorporates breather, diffusion channel, and adsorbent in one product
- **Adsorbents** (available individually or in combination)
 - Activated carbon adsorbent - Provides relative humidity control and adsorption of hydrocarbons
 - Chemically-treated activated carbon adsorbent - Provides relative humidity control and adsorption of acid gases and hydrocarbons
 - Silica gel and molecular sieve adsorbent - Provides relative humidity control



BENEFITS

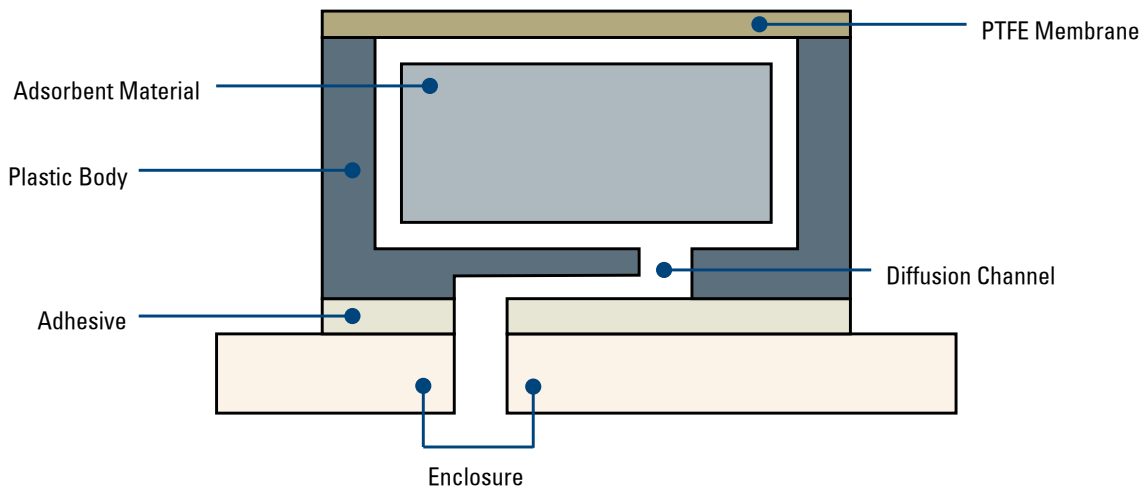
The ABA improves the reliability and extends the life of the device because the:

- Breather prevents the passage of particles and liquids
- Diffusion channel reduces the amount of gases and water vapor entering the device from outer environment
- Adsorbent removes harmful gases and moisture vapor from incoming air
- Adsorbent controls the humidity level inside the device

PACKAGING OPTIONS

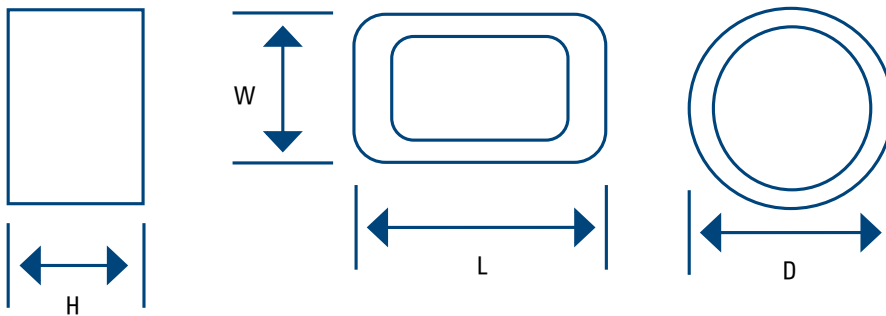
- Supplied in stackable trays and sealed in metalized vapor barrier bag, or
- Bulk packed in metalized vapor barrier bag

ADSORBENT BREATHER ASSEMBLY



DESIGN CHARACTERISTICS

Dimension	Range	Tolerance
L Length	7 - 25 mm (0.28 - 0.98")	± 0.25 mm (0.01")
W Width	7 - 25 mm (0.28 - 0.98")	± 0.25 mm (0.01")
H Height	7 - 25 mm (0.28 - 0.98")	± 0.25 mm (0.01")
B Border	4 - 15 mm (0.16 - 0.59")	± 0.25 mm (0.01")



Contact us to increase the reliability of your micro-electronics.



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Adsorbent Breather Assembly (ABA002.EN.02.11)

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