

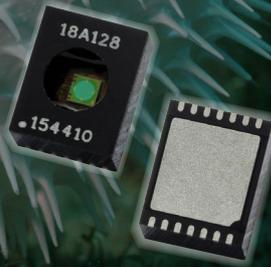
Melexis

INSPIRED ENGINEERING

MLX90818

ABSOLUTE PRESSURE SENSOR

MEASURING PRESSURE IN
HARSH ENVIRONMENTS



Pufferfish have the ability to fill their elastic stomach with water whenever they feel they're in danger. Together with the change of their pattern in response to environmental changes, this allows the fish to survive in many different environments as do our pressure sensors which are able to operate in harsh conditions, such as the air intake of a vehicle.

BEST FACTORY CALIBRATED ACCURACY FOR PRESSURE AND NTC TEMPERATURE

Highest accuracy, smallest size and best harsh media compliance will significantly reduce pollution.

MLX90818

The new MLX90818 is a packaged absolute pressure sensor that is factory-calibrated to cover the range 1.0 to 5.5 bar, making it ideal for normally aspirated, directly injected and turbocharged engine applications. The highly integrated sensor includes provision for an external NTC for temperature measurement and is housed in a tiny 4 x 5mm DFN package.

KEY FEATURES

- ✓ Best accuracy for both pressure and NTC temperature information factory calibrated at Melexis
- ✓ Harsh media compliant for environments with high halogens content (such as diode methane or iodine)
- ✓ Harsh media compliant for EGR
- ✓ Small component
- ✓ Flexibility in the SENT messages configuration options
- ✓ Assembled in a rugged easy-to-use package
- ✓ Suitable for under the hood automotive passenger vehicles applications (-40°C till 150°C with 18V overvoltage capability)



The above information is "as is" and believed to be correct and accurate. Melexis disclaims any and all liability in connection with or arising out of the furnishing, application or use of the information or products; any and all liability, including without limitation, special, consequential or incidental damages and any and all warranties, express, statutory, implied, or by description, including warranties of fitness for particular purpose, non-infringement and merchantability. Melexis reserves the right to change it at any time and without notice. Users should obtain the latest version of the information to verify it is current. Users must further determine the suitability of a product for its application, including the level of reliability required and determine whether it is fit for a particular purpose. Export control regulations may apply and export might require a prior authorization from competent authorities. Melexis' products are intended for use in normal commercial applications. Unless otherwise agreed upon in writing, the products are not designed, authorized or warranted to be suitable in applications requiring extended temperature range and/or unusual environmental requirements. High reliability applications, such as medical life-support or life-sustaining equipment are specifically not recommended by Melexis. Melexis' products are sold under the Melexis' Terms of Sale, which can be found at <https://www.melexis.com/en/legal/terms-and-conditions>.

FOR MORE INFORMATION: WWW.MELEXIS.COM/MLX90818

Melexis