

Features

- Ultra-miniature digitally configured strain gauge conditioner/load cell amplifier.
- PCB format for easy fitting within strain gauge installations.
- 0.5-4.5V conditioned analogue output suitable for direct interface with common ECUs.
- 3-Wire connection for stable output.
- Setup and calibration via OWI communication protocol over the signal wire.
- Up to 4-point linearization available.
- Configuration can be saved and restored for security of setup.



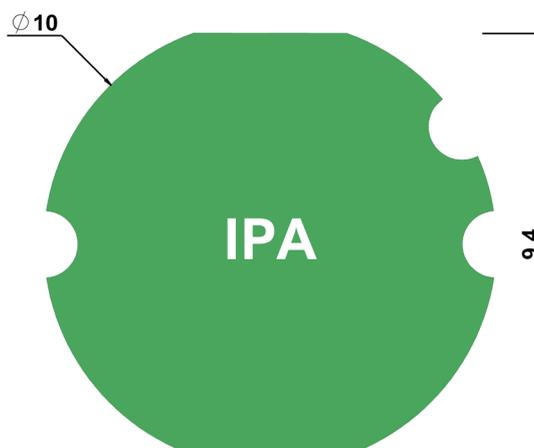
Description

The IPA ultra-miniature amplifier is a high-performance load cell amplifier in miniature OEM formats. The IPA converts the mV/V signal to 0.5-4.5V, in an ultra-miniature package, great for amplifying calibrated strain gauge installations. OWI communication over the signal wire enables adjustment of the amplifier without removing coatings.

Typical Specification

PARAMETER	VALUE
Supply Voltage Range	8 to 30VDC.
Supply Current	<20mA.
Bridge Excitation	5VDC.
Minimum Bridge Resistance	350Ω.
Bridge Sensitivity	0.5 to 800mV/V.
Input Resolution	1:260,000 (18 bits)
Analogue Output	0.5-4.5V.
Analogue Output Resolution	1:4000 (12 bits)
Bandwidth	3kHz.
Storage Temperature	-40 to +150°C.
Operating Temperature	-40 to +150°C.

Outline Dimensions in millimetres



Ordering Codes

CODE	DESCRIPTION
IPA	IPA Amplifier

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