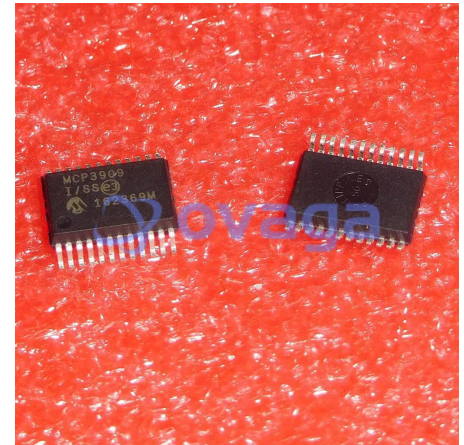


Energy Metering IC with SPI Interface and Active Power Pulse Output, Switching Converters, Regulators & Controllers Dynamic Range Energy Meter IC

Manufacturers	Microchip Technology, Inc
Package/Case	SSOP-24
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP3909-I/SS or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MCP3909 is an energy measurement IC supporting the IEC 62053 international energy metering specification. The output of the device includes a frequency proportional to the average active (real) power at the inputs as well as a simultaneous serial SPI interface to access the ADC channels and multiplier output data. The MCP3909 incorporates two 16-bit delta-sigma ADCs with a programmable gain up to 16. The output waveform data is available at up to 14 kHz with 16-bit ADC output and 20-bit multiplier output data. The integrated on-chip voltage reference has an ultra-low temperature drift of 15 ppm/°C.

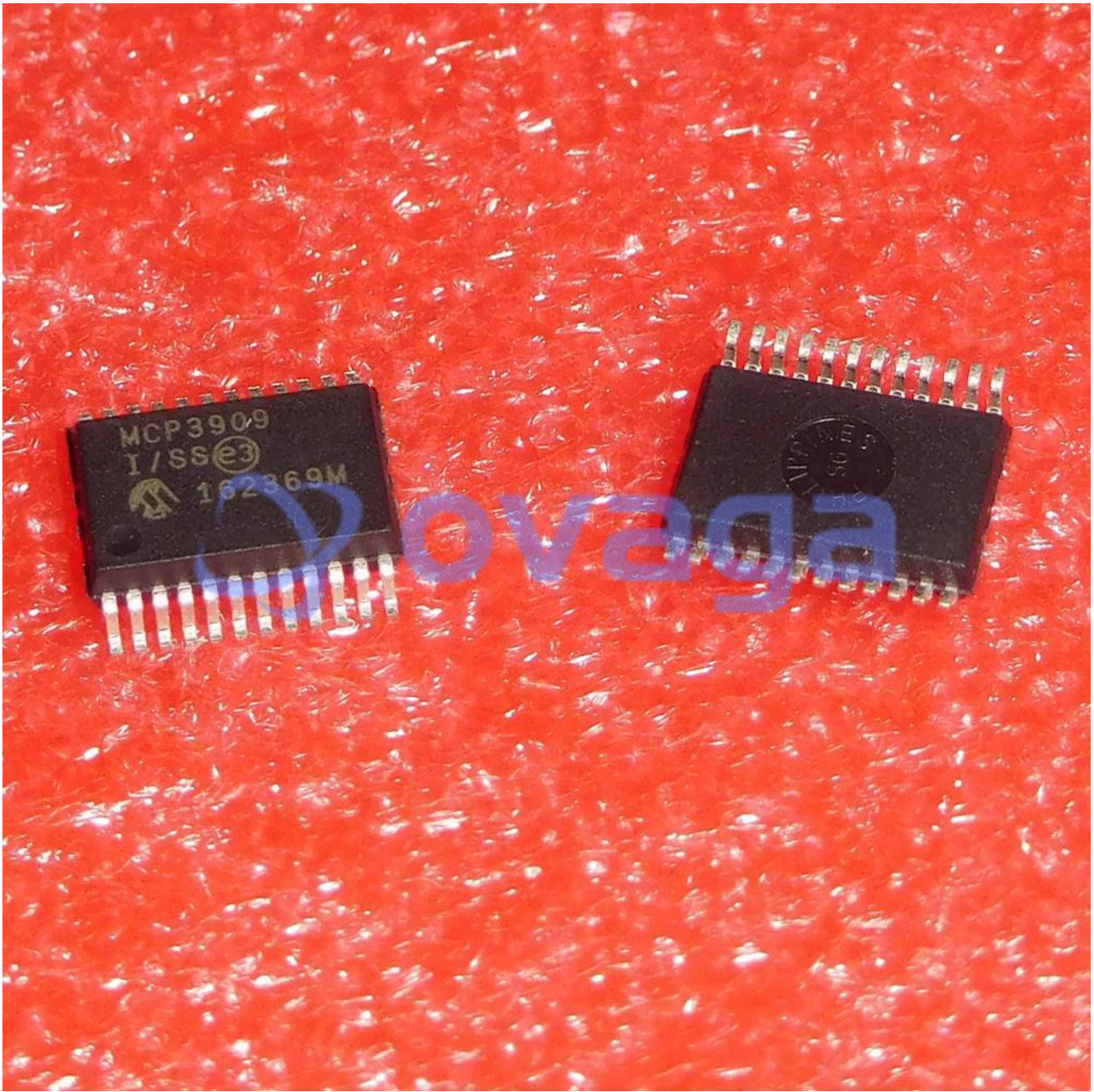
For product comparison, please consider: MCP3910, MCP3913

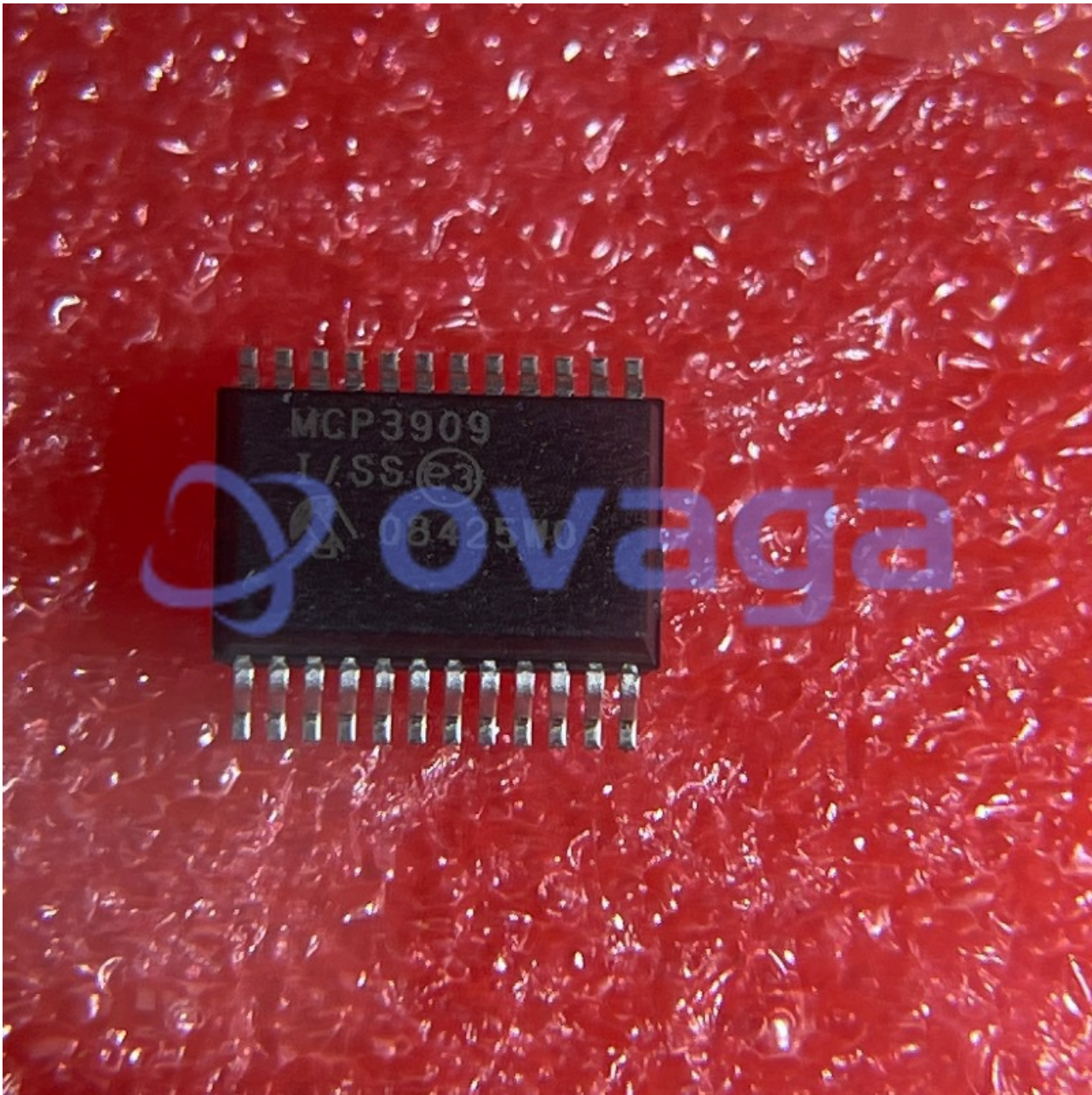
Features

Active power pulse output

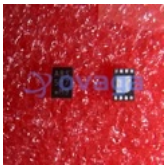
SPI™ interface for access to raw ADC and multiplier data

AEC-Q100 Grade 1





Related Products



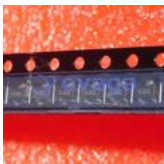
[MCP1725-3302E/MC](#)

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