

QPO Series

OUTPUT RIPPLE ATTENUATOR

Features

- >30dB PARD attenuation, 1 kHz to 500kHz.
- 25 x 25 x 4.5mm SiP, LGA mounting.
- Supports precise point-of-load regulation.
- Reduces required number of output capacitors to support dynamic loads.
- User selectable optimisation of attenuation, power dissipation, and transient load response.
- Compatible with most DC-DC converters.



Output Ripple Attenuator (QPO)

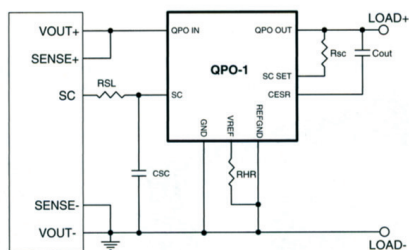
PRODUCT DESCRIPTION

The QPO output ripple attenuator SiP (System-in-Package) products use proprietary active filtering to reduce power supply output ripple and noise (PARD) over 30dB from 1kHz to 500kHz. QPOs improve transient response and ensure quiet point-of-load regulation. They also reduce the number of output capacitor to support dynamic loads. QPOs work with most DC-DC converters and switching power supplies. Output regulation is maintained using remote sensing or the trim input of the power supply.

Selection Table

Part Number (Z = RoHS)	Description
QPO-1L(Z)	3 – 30 Vdc input, 10 A, > 30 dB PARD attenuation, 1 kHz to 500 kHz
QPO-2L(Z)	0.5 – 5.5 Vdc input, 20 A, > 20 dB PARD attenuation, 1 kHz to 500 kHz, Aux. Bus biased

Typical Configuration Not for design use; see data sheet.



Dimensions:- 25 x 25 x 4.5mm

Performance

