QPO Active Filters

10-20A - OUTPUT RIPPLE ATTENUATOR

FEATURES

- >30 dB PARD attenuation, 1 kHz to 500 kHz
- Supports precise point-of-load regulation
- Efficiency: Up to 99%
- High density, low profile LGA package
- Reduces required number of output capacitors to support dynamic loads
- User selectable optimization of attenuation, power dissipation, and transient load response
- Compatible with most DC/DC converters

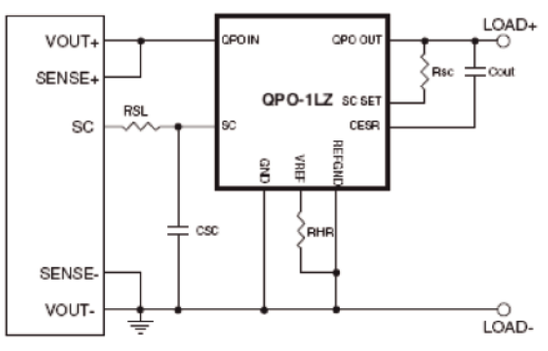
PRODUCT DESCRIPTION

The QPO output ripple attenuator products use proprietary active filtering to reduce power supply output ripple and noise (PARD) over 30 dB from 1 kHz to 500 kHz. QPOs improve transient response and ensure quiet point-of-load regulation. They also reduce the number of output capacitors 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.

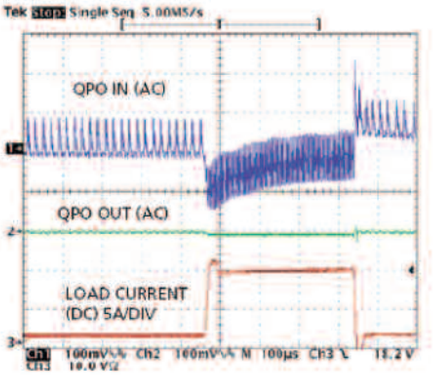
SELECTION TABLE

PART NUMBER (-01 = OPEN FRAME)[A]	INPUT VOLTAGE	CURRENT RATING	ATTENUATION
QPO-1LZ	3 - 30 Vdc	10 A	> 30 dB PARD attenuation, 1 kHz to 500 kHz
QPO-1LZ-01	3 - 30 Vdc	10 A	> 30 dB PARD attenuation, 1 kHz to 500 kHz
QPO-2LZ	0.3 - 5.5 Vdc	20 A	> 20 dB PARD attenuation, 1 kHz to 500 kHz, Aux. Bus biased
QPO-2LZ-01	0.3 - 5.5 Vdc	20 A	> 20 dB PARD attenuation, 1 kHz to 500 kHz, Aux. Bus biased

TYPICAL CONFIGURATION



PERFORMANCE



powerbox