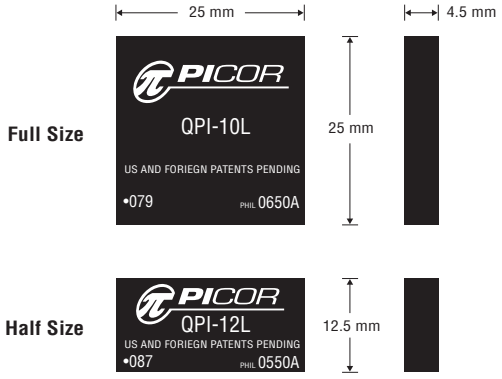
V•I Chip Input EMI Filters (QPI Series)

Optimized for V•I Chip applications

Features

- 24/28 V and 48/60 V models
- Up to 65 dB CM attenuation at 1 MHz
- Up to 80 dB DM attenuation at 1 MHz
- Efficiency >99%
- Low profile LGA package
- Integrated Hot-Swap in select models
- Supports PICMG® 3.0 ATCA applications
- -40° to +100°C PCB temperature
- TÜV approved

RoHS



QUIETPOWER™

Product Description

These QPI filters, optimized for V•I Chips, are specifically designed to attenuate conducted common-mode (CM) and differential-mode (DM) noise of Vicor's V•I Chip products to comply with the CISPR22 standard requirements for conducted noise measurements.

Designed for the telecom, industrial and military bus ranges, the V•I Chip EMI filter supports filtering system boards to the EN55022 Class B limits.

Applications

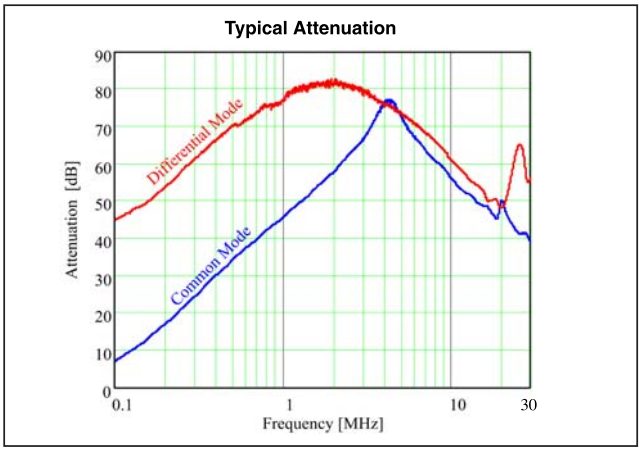
- PICMG® 3.0 ATCA applications
- Networking and communications
- Fan tray assemblies
- Telecom
- Industrial
- Military

QPI Evaluation Boards Available

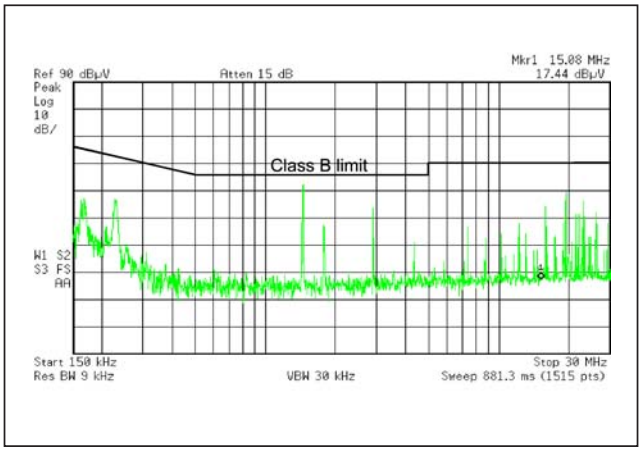
For more information, go to picorpower.com

Part Numbering

Part Number (Z = RoHS)	Input Voltage	Nominal Range	Current Rating	CM Attenuation @1 MHz	DM Attenuation @1 MHz	Hipot	Integrated Hot-Swap	Package
QPI-9L(Z)	24/28 Vdc	18 – 38 Vdc	6 A	65 dB	80 dB	707 Vdc	Yes	full
QPI-10L(Z)	48/60 Vdc	32 – 76 Vdc	6 A	45 dB	70 dB	1,500 Vdc	Yes	full
QPI-11L(Z)	24/28 Vdc	5 – 50 Vdc	7 A	65 dB	80 dB	707 Vdc	—	half
QPI-12L(Z)	48/60 Vdc	10 – 80 Vdc	7 A	45 dB	70 dB	1,500 Vdc	—	half



QPI-12 attenuation curves



Total conducted noise of P048K048T24IF & V048K120T025 with QPI-12.