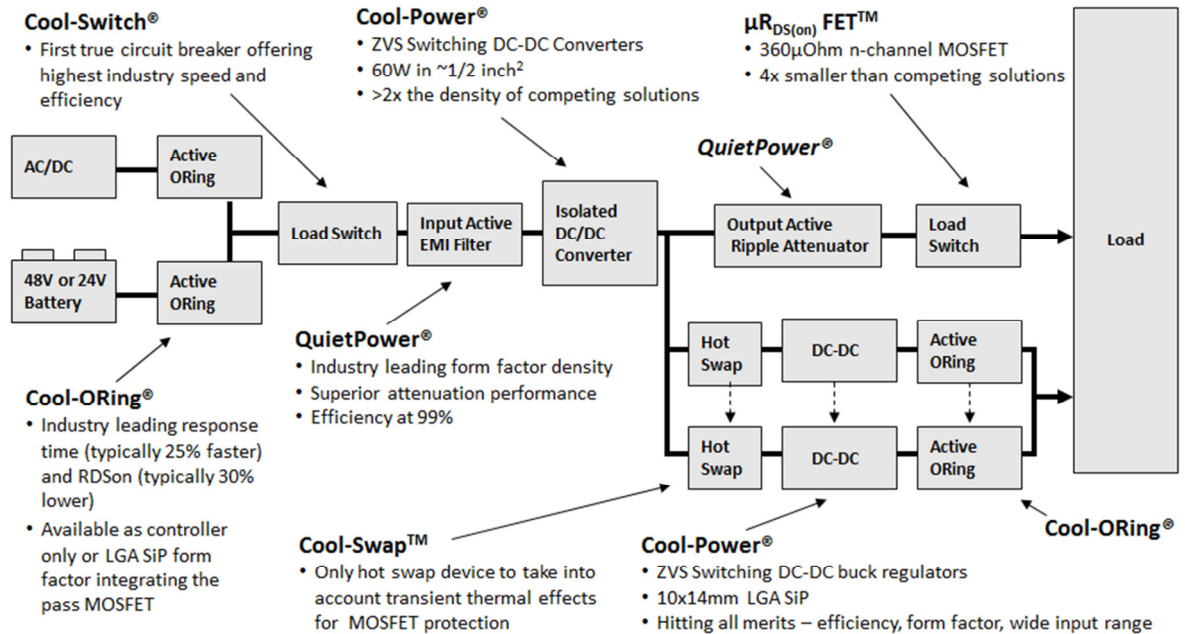
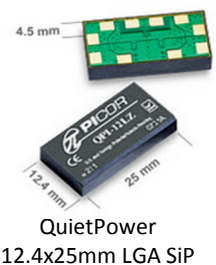
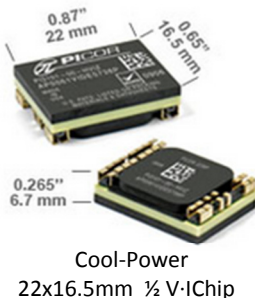
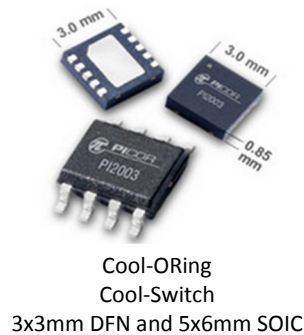
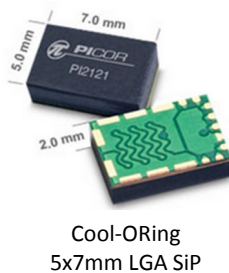
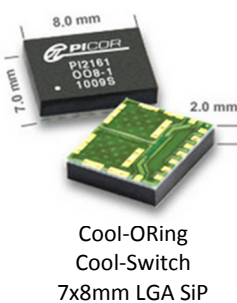


Picor, a Vicor company, provides highly integrated, silicon-centric power conversion and power management solutions. Picor's innovative product leadership is derived from high performance silicon integration, power architectures, and system level packaging. Picor's silicon-centric products complement Vicor's power technology and adhere to Vicor core strategy of innovation and performance. Picor products are marketed and sold via the Vicor sales channel.

Product Portfolio



Package Offering





Product Portfolio Information

QuietPower® Active EMI Filters		Picor Power Path Management Products		Cool-Power® DC-DC ZVS Switching Converters	
- Leads the industry in density and size - Compatible to industry standard DC-DC converters - Both Input (QPI) and output (QPO) filters - Packaged in 25x25x4.5mm or 12.4x25x4.5mm LGA open and lidded		- Lead industry in either efficiency/losses, speed, and/or density - PI2003/PI2207 common pair used for High/Low Oring applications - Newest family addition is Cool-Swap™ PI2211		- ZVS core powered devices offering high Vin operating ranges - High density designs packaged in 10x14mm LGA SIP or 1/2V-IChip	
QuietPower® Output Filters - QPO		Cool-ORing® - High performance Active ORing solutions		Cool-Power® Isolated DC-DC ZVS Switching Converters	
- Reduces power supply output ripple from 1kHz to to 500kHz - Can reduce output capacitance by a factor of 10		- For high availability systems using redundant power architectures - Replaces common diode schemes w/ a more efficient solution - Packaged as controller only or Controller w/ MOSFET SIP solution - Extremely fast turn off at 80ns - SiPs offer extremely low losses with 8.5mOhm resistance (PI2127)		- Complete module solution (Controller + Transformer + FETs) - 2,250V isolation with safety approvals - 48Vin devices offer 100V for 100mS surge protection - All packaged 22x16.5x6.7mm ½ V-IChip package	
QPO-1LZ	3-30V, 10A Output filter	Cool-ORing® - Controllers		PI3101-00-HVIZ	48V/3.3V 60W Isolated DC-DC Converter 1/2V-IChip
QPO-1LZ-01	3-30V, 10A Output Filter, Open Frame	PI2001-00-QEIG	ORing Controller, 5x6mm SOIC	PI3105-00-HVIZ	48V/12V 50W Isolated DC-DC Converter 1/2V-IChip
QPO-2LZ	0.3-5.5V, 20A Output Filter	PI2001-00-SOIG	ORing Controller, 3x3mm DFN	PI3106-01-HVIZ	24V/12V 50W Isolated DC-DC Converter 1/2V-IChip
QPO-2LZ-01	0.3-5.5V, 20A Output Filter, Open Frame	PI2002-00-QEIG	ORing Controller w/ Load Disconnect, 3x3mm DFN	PI3110-01-HVIZ	48V/18V 50W Isolated DC-DC Converter 1/2V-IChip
QuietPower® Input Filters - QPI		PI2002-00-SOIG	ORing Controller w/ Load Disconnect, 5x6mm SOIC	Cool-Power® MIL-COTS Isolated DC-DC ZVS Switching Converters	
- Common-mode (CM) and differential-mode (DM) attenuation - Covers 150kHz to 30MHz (CISPR22 range) - Optimized for applications that require EN55022 Class B limits - Filters cover up to a 48V bus and up to 14A - QPI-21 is recently released and is Picor's best performing filter		PI2003-00-QEIG	Low-Side OR-ing Controller, 3x3mm DFN	- Operation from -55°C to 125°C	
QPI-3LZ	24V, 7A Input Filter	PI2003-00-SOIG	Low Side OR-ing Controller, 5x6mm SOIC	PI3106-00-HVMZ	24V/12V MILCOTS Isolated DC-DC Converter 1/2V-IChip
QPI-3LZ-01	24V, 7A Input Filter, Open Frame	PI2007-00-QEIG	High-Side OR-ing Controller, 3x3mm DFN	Cool-Power® DC-DC ZVS Switching Buck Regulators	
QPI-4LZ	48V, 7A Input Filter	Cool-ORing® - SiP Solutions		- High efficiency performance from 90 to 96% - Current ouput of 8A+ - Module design with controller + FETs and extrenal inductor - All packaged in 10x14mm LGA SiP	
QPI-4LZ-01	48V, 7A Input Filter, Open Frame	PI2121-00-LGIZ	8V, 24A FULL-FUNCTION ACTIVE ORING SIP	PI3311	8-36Vin, 1.5Vout Set DC-DC Buck regulator 10x14 LGA SIP
QPI-5LZ	24V, 14A Input Filter	PI2122-00-LGIZ	FULL-FUNCTION ACTIVE ORING SIP w/ LOAD DISCONNECT	PI3312	8-36Vin, 2.5Vout Set DC-DC Buck regulator 10x14 LGA SIP
QPI-5LZ-01	24V, 14A Input Filter, Open Frame	PI2126-00-LGIZ	30V, 12A FULL-FUNCTION ACTIVE ORING SIP	PI3301	8-36Vin, 3.3Vout Set DC-DC Buck regulator 10x14 LGA SIP
QPI-6LZ	48V, 14A Input Filter	PI2127-01-LGIZ	60V, 12A FULL-FUNCTION ACTIVE ORING SIP	PI3302	8-36Vin, 5Vout Set DC-DC Buck regulator 10x14 LGA SIP
QPI-6LZ-01	48V, 14A Input Filter, Open Frame	Cool-Switch® - Electronic Circuit Breaker		PI3303	8-36Vin, 12Vout Set DC-DC Buck regulator 10x14 LGA SIP
QPI-7LZ	24V, 6A Input Filter w/Hot-Swap	- For high availability systems using redundant power architectures - Replaces common diode schemes w/ a more efficient solution - Packaged as controller only or controller w/ MOSFET SIP solution		PI3305	8-36Vin, 15Vout Set DC-DC Buck regulator 10x14 LGA SIP
QPI-7LZ-01	24V, 6A Input Filter w/Hot-Swap, Open Frame	Cool-Switch® Controller 7x8mm LGA SIP			
QPI-8LZ	48V, 6A Input Filter w/Hot-Swap	60V, 12A Cool-Switch SIP Solution 3x3mm DFN			
QPI-8LZ-01	48V, 6A Input Filter w/Hot-Swap, Open Frame	µRDS(on)FET® - 360µOhm RDS(on) 5V, N-Channel MOSFET			
QPI-21LZ	48V, 14A Input Filter	- Industry leading performance - Enables practically lossless designs for high current routing - Packaged in 4.1 x 8 x 2mm LGA			
QPI-21LZ-01	48V, 14A Input Filter, Open Frame	PI5101-00-LGIZ 5V, 360 MICRO OHM N-CHANNEL MOSFET			
QuietPower® V-I Chip Input Filters - QPI		Cool-Swap™ - 12V Hot Swap Controller and Electronic Circuit Breaker			
- Optimized for use w/ V-I Chip PRM/VTM Converters		- Hot swap protection with Tru-SOA™ and GlitchCatcher Technology - Packaged in a 4x4x0.85mm 24-pin QFN			
QPI-9LZ	24V, 6A V-I Chip optimized w/Hot-Swap	PI2211 12V Hot Swap Controller 24-pin QFN			
QPI-9LZ-01	24V, 6A V-I Chip optimized w/Hot-Swap, Open Frame				
QPI-10LZ	48V, 6A V-I Chip optimized w/Hot-Swap				
QPI-10LZ-01	48V, 6A V-I Chip optimized w/Hot-Swap, Open Frame				
QPI-11LZ	24V, 7A V-I Chip optimized				
QPI-11LZ-01	24V, 7A V-I Chip optimized, Open Frame				
QPI-12LZ	48V, 7A V-I Chip optimized				
QPI-12LZ-01	48V, 7A V-I Chip optimized, Open Frame				
QuietPower® MIL-COTS Input Filter - MQPI					
- Operation from -55°C to 125°C					
MQPI-18LP	28V, 7A MIL-COTS Input Filter				
MQPI-18LP-01	28V, 7A MIL-COTS Input Filter, Open Frame				