

TÜV SÜD
 ZERTIFIKAT ◆ CERTIFICATE ◆ 認證書 ◆ CERTIFICADO ◆ CERTIFICAT



CERTIFICATE

No. U8V 021433 0597 Rev. 00

Holder of Certificate: **Vicor Corporation**

25 Frontage Road
 Andover MA 01810
 USA

Certification Mark:



Product:

Information Technology Equipment
 Active EMI Filter for DC-DC Converters

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited Certification body.

Test report no.: 72131874-100

Date, 2019-08-30

(William J. Stinson)



America

CERTIFICATE

No. U8V 021433 0597 Rev. 00

Model(s): QPI-6LZ
(see page 2-3 for Model Matrix and License Conditions)

Brand Name: VICOR

Tested according to: CAN/CSA C22.2 No.60950-1:2007/A2:2014
UL 60950-1:2007/R:2014-10
EN 60950-1:2006/A2:2013

Production Facility(ies): 049419

Parameters:
Rated Input Voltage: 30-80 V DC
Rated Input Current: 14 A
Degree of Protection: IPX0

License Conditions:

Special Considerations – The following items are considerations that were used when evaluating these products. The EMI Filters QPI and QPO are designed for building-in.

1. The input and output of QPI filters rated 30 - 80Vdc are considered TNV-2
2. The input and output of QPI filters rated less than 60V are SELV
3. The QPO filters are SELV
4. Basic insulation is provided from Input / Output to Shield for the TNV-2 filters
5. Operational / Functional insulation is provided from Input / Output to Shield for the QPI SELV filters
6. The maximum rated currents are based on a PCB temperature limit of 60°C
7. The max current is de-rated linearly 1 A / 10°C from 12A at 60°C to 8A at 100°C for 12A filters
8. The max current is de-rated linearly 250 mA / 10°C from 7 A at 60°C to 6A at 100°C for 7A filters
9. The max current is de-rated linearly 500 mA / 10°C from 14 A at 60°C to 12A at 100°C for 14A filters
10. The max current is de-rated linearly 400 mA / 10°C from 6 A at 60°C to 5A at 100°C for 6A filters



America

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Vicor QuietPower EMI Filter

Model matrix: QPw-xyz-aa

QP = Constant	Quiet Power series of filters
	QP may be replaced by MQP for MIL-Cots

w = Filter Type	
I	Input filters (Input side of a DC-DC Converter)
O	Output filters (Output side of a DC-DC Converter)

xx = Electrical Ratings any numeric combination			
Model Number	Vin range	Output Current	Dielectric Withstand In/Out to Shield
QPO-1	3.0 - 30 Vdc	10A	None
QPO-2	3.3 - 5.5 Vdc	20A	None
QPI-3	10 - 40 Vdc	7A	707 Vdc
QPI-4	30 - 80 Vdc	7A	1500 Vdc
QPI-5	10 - 40 Vdc	14A	707 Vdc
QPI-6	30 - 80 Vdc	14A	1500 Vdc
QPI-7	18 - 38 Vdc	6A	707 Vdc
QPI-8	30 - 80 Vdc	6A	1500 Vdc
QPI-9	18 - 38 Vdc	6A	707 Vdc
QPI-10	30 - 80 Vdc	6A	1500 Vdc
QPI-11	5.0 - 50 Vdc	6A	707 Vdc
QPI-12	30 - 80 Vdc	7A	1500 Vdc
QPI-18	30 - 80 Vdc	7A	1500 Vdc
MQPI-18	10 - 50 Vdc	7A	1500 Vdc
QPI-21	30 - 80 Vdc	14A	1500 Vdc

y = Surface Mount Description	
L	Land Grid Array (LGA)

z = RoHS (Optional, non-safety related)	
Z	RoHS Compliance
P	Pb solder

aa = Packaging / Options any alphanumeric combination (Optional, non-safety related)			
01	Open frame	Blank	Lidded package

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