



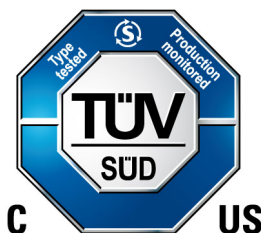
America

CERTIFICATE

No. U8V 021433 0606 Rev. 02

Holder of Certificate: **Vicor Corporation**
25 Frontage Road
Andover MA 01810
USA

Certification Mark:



Product: Audio/Video, Information and Communication technology equipment
DC-DC converter

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.: 72157875-100

Valid until: 2026-01-31

Date, 2021-01-04

(William J. Stinson)



America

CERTIFICATE

No. U8V 021433 0606 Rev. 02

Model(s): DCM3717S60E14G5TN0
DCM3110S60E02A3TN0
Type: SM-DCM (non-isolating)

Brand Name: VICOR

Tested according to: CAN/CSA-C22.2 No. 62368-1:2014
UL 62368-1:2014
EN 62368-1:2014/A11:2017

Production Facility(ies): 067768

Parameters:

	DCM3717	DCM3110
Input Voltage	54 V DC (40-60)	54 V DC (40-60)
Output Voltage	13.5 VDC (max)	1.52 V DC (max)
Output Power	750 W	182 W (max)
Output Current	62.5 A max	120 A max

License Conditions:

Special Considerations – The following items are considerations that were used when evaluating these products. The SM-DCM series of non-isolating DC-DC converters are designed for building-in.

Conditions of Acceptability – When installed in the end use equipment, the following are among considerations to be made:

1. Maximum output power and case temperature. See attached thermal curves for maximum operating conditions for each package size and voltage rating
2. The Input is considered to be ES1. **The +INV node maybe considered ES2 during a fault condition**
3. Operation over the entire input voltage range was evaluated
4. The Output voltage can be considered ES1
5. All models must be mounted on minimum V-1 flame rated board
6. The DCMs were evaluated with the following fuses

Package Size	Nominal Vin	Required Fuse (Max value)
3110	54 Vdc	Littelfuse SMD 451/453 series rated 8A
3717	54 Vdc	Littelfuse SMD 456 series rated 30A



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SM DCM Model Matrix: DCMaaaaScccwwxyNz

Example: DCM3717S60E14G5TN0 or DCM3110S60E02A3TN0

DCM = Constant

Product Type	
DCM	DC-DC Converter Module

aaaa = 3717

Package Size (mm)	
3110	31 x 10
3717	37 x 17

S = Constant

Lead Designator	
S	SMD

ccc = 60E

Input Voltage (Vdc)			
	Max	Range	Nominal
60E	60	40-60	54

ww = 14

Output Voltage (Vdc)		
	Nominal	range
02	1.2	0.8 - 1.52
14	12.0	10.0 - 13.5
Nominal Trim range = +10% / -15%		

xx = G5

Output Power / Current	
A3	120A
G5	750W
120A max for 3110 package size	
750W max for 3717 package size	

y = T

Product Grade	
C	-20 to 100°C
T	-40 to 100°C
M	-55 to 100°C

N = Constant

Functionality	
N	Non-isolated

z = 0

Options (non-safety related), Any alphanumeric
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