



America

# CERTIFICATE

No. U8V 021433 0606 Rev. 00

**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.:** 72157875-000

**Date,** 2020-04-24

( William J. Stinson )



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**Model(s):** DCM3717S60E14G5TN0  
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:**  
Rated Input Voltage: 54 V DC (40-60)  
Rated Output Voltage: 12.2 V DC (10-13.5)  
Rated Output Power: 750 W  
Rated Output Current: 62.5 A max

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

1. See attached thermal curves for maximum output power vs. case temperature
2. The SM-ChiP DCMs are non-isolating low voltage dc-dc converters that provide functional insulation
3. The Output voltage can be considered ES1 when the input is ES1.
4. All models must be mounted on minimum V-1 flame rated board
5. The DCM3717 was evaluated with a Littelfuse SMD 456 series rated 30A

**SM-ChiP DCM Model Matrix:** DCMaaaaScccwxxxyNz

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Example: DCM3717S60E14G5TN0

DCM = Constant

Product Type	
DCM	DC-DC Converter Module

aaaa = 3717

Package Size (mm)	
3717	37 x 17

S = Constant

Lead Designator	
S	Surface Mount

ccc = 60E

Nominal Input Voltage (range)	
60E	54 Vdc (40-60)

ww = 14

Nominal Output Voltage (range)	
14	12.2 Vdc (10.0 - 13.5)

xx = G5

Output Power / Current	
G5	750W / 62.5A

y = T

Product Grade (Tmax internal)	
C	-20 to 125°C
T	-40 to 125°C
M	-55 to 125°C

N = Constant

Functionality	
N	Non-isolated

z = 0

Options (non-safety related), Any alphanumeric	
0	No options

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