

## IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

## CB TEST CERTIFICATE

Product	Audio/Video, Information and Communication technology equipment DC-DC Converter
Name and address of the applicant	<b>Vicor Corporation</b> 25 Frontage Road Andover MA 01810 USA
Name and address of the manufacturer	Vicor Corporation 25 Frontage Road, Andover MA 01810, USA
Name and address of the factory	Vicor Inc. 400 Federal Street, Andover MA 01810, USA
Ratings and principal characteristics	Rated Input Voltage: 54 VDC (40-60) Rated Output Voltage: 12.2 VDC (10.0-12.5) Rated Output Current: 61.5A Max (yy = G5) or 82A Max (yy = K0) Rated Output Power: 750W Max (yy = G5) or 1000W Max (yy = K0) Degree of Protection: IPX0
Trademark / Brand (if any)	VICOR
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	<b>DCM3717 Series</b> DCM3717S60x13yyTNz x = D or E yy = G5 or K0 z = any alphanumeric character
Additional information (if necessary)	Certificate DE 3 – ITAV1781 issued 2023-09-08 is replaced by this version due to technical changes.
A sample of the product was tested and found to be in conformity with as shown in the Test Report Ref. No. which forms part of this certificate	IEC 62368-1:2018 72192409-100

Page 1 of 3

This CB Test Certificate is issued by the National Certification Body

CB 021433 0671 Rev. 01

Date, 2024-01-30



( William J. Stinson )

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Product Service

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**Model: DCM3717S60x13yyTNz**

Example: DCM3717S60E13G5TN1, DCM3717S60D13K0TN1

Product Type, Constant	
DCM	DC-DC Converter Module

Package Size (mm), Constant	
3717	37 x 17

Package Type, Constant	
S	Surface Mount

Nominal Input Voltage (Range)	
60x (where x = D or E)	54Vdc (40 – 60)

Nominal Output Voltage (Trim Range), Constant	
13	12.2Vdc (10 – 12.5)

yy = Output Power / Current (Max)	
G5	750W / 61.5A
K0	1000W / 82A

Temperature Range (Max Case Temperature), Constant	
T	-40 to 100°C
See license conditions, de-rating curves ensure maximum internal temperatures do not exceed 125°C based on external Case temperature	

Isolation Type, Constant	
N	Non-isolated

z = Functionality (any alpha-numeric, non-safety related)	
1	Standard model

Page 2 of 3

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(IECEE) CB SCHEMELicense Conditions:

1. See thermal de-rating curves for maximum output current vs. case temperature
2. The Input is intended to be ES1
3. The external +INV node may be considered ES2, Vpk may exceed ES1 limits during single fault/abnormal conditions
4. The Output voltage can be considered ES1
5. The DCM3717 shall be mounted on a PCB rated V-1 minimum in end use
6. The DCM3717 was evaluated with a Littelfuse SMD 456 series fuse rated 125V / 30A

Page 3 of 3

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