



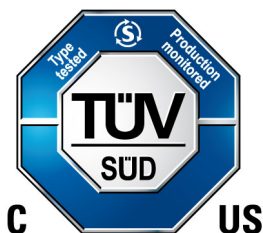
America

CERTIFICATE

No. U8V 021433 0453 Rev. 01

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.: 72163514-000

Date, 2020-12-01

(William J. Stinson)



America

CERTIFICATE

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Model(s): Low Voltage VICHIP 6123 BCM / NBM
 Model: BCM6123T60F15A3T00

Brand Name: VICHIP

Tested according to: CAN/CSA-C22.2 No. 62368-1:2019
 UL 62368-1:2019
 EN 62368-1:2014/A11:2017

Production Facility(ies): 067768

Parameters: Model: BCM6123T60F15A3T00
 Rated Input Voltage: 60 V DC
 Rated Output Voltage: 15.3 V DC
 Rated Output Current: 130 A
 Degree of Protection: IPX0

License Conditions:

Special Considerations – The following items are considerations that were used when evaluating these products.

The Low Voltage VICHIP 6123 BCM / NBM series of 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. The output of the BCM is separated from the input by Basic insulation and considered ES1
2. The output of the non-isolating NBM can be considered ES1 if the input is ES1
3. The BCM / NBM to be mounted on minimum V-1 rated PCB in end use
4. The BCM was evaluated with a Littelfuse 456 series fuse rated 40A max
5. The NBM was evaluated without a fuse, to be determined in end use, non-isolating device

See de-rating curves for maximum output current versus case temperature



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Low Voltage VICHIP 6123 BCM /

NBM Model Matrix: aaa6123bccwwxyzz

Example: BCM6123T60E15A3T00

aaa = BCM

Product Function	
BCM	Isolated Bus Converter Module
NBM	Non-isolated Bus Converter Module

6123 = Constant	
Package Size (Length x Width)	
6123	61 mm x 23 mm

b = T

Lead Designator	
T	Through-Hole
L or N	Leadless

ccc = 60E

Input Voltage (Vdc)			
	Max	Range	Nominal
60E	60	36-60	54
46C	46	36-46	42

ww = 15

Maximum Output Voltage	
10	10 Vdc
12	12 Vdc
15	15 Vdc

xx = A3

Maximum Output Current			
A3	130A	65	65A
A5	150A	75	75A
A6	160A	80	80A
A7	170A	85	85A
A8	180A	90	90A

y = T

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

zz = 00

Options (non-safety related)	
00	Any alphanumeric



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Customer Special Model Number	Equivalent Standard Part Number
BCM54Aw135x1K8Ayz	BCM6123b60E15A3yzz
BCM54Aw090x1K4Ayz	BCM6123b60E10A5yzz
NBM42Aw140x2K2Ayz	NBM6123b46C15A6yzz
NBM54Aw108x1K8Ayz	NBM6123b60E12A7yzz
NBM54Aw108x1K9Ayz	NBM6123b60E12A8yzz
w = Lead Designator (P, Q, or N) P = Through hole Q = Surface Mount N = Leadless x = Grade (T or M) y = Package Size (C = 2361, 3 = 6123) z = Communication Type (0, 1, or R)	b = Lead Designator (T, S, or L) T = Through hole S = Surface Mount L = Leadless y = Grade (C, T, or M) zz = options (alphanumeric)