

BC 53,6 HS 90 AL - Heatsink



1754315

<https://www.phoenixcontact.com/gb/products/1754315>

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Heatsink for housing series: BC, type: Heatsink, material: Aluminum, anodized, product range: BC 53,6..., width: 46.9 mm, height: 28.7 mm, Only use the screws listed in the accessories to screw the components.



Your advantages

- Heatsink solutions enable devices to be used in thermally demanding applications
- Optimal thermal path for reliable heat dissipation
- Custom-tailored to various hot spots
- Heatsink solutions can be used in a variety of housing sizes
- Tailored system solution comprised of a housing, connection technology, heatsink, and additional accessories

Commercial data

Item number	1754315
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	ACHBAG
Product key	ACHBAG
GTIN	4067923321823
Weight per piece (including packing)	130.4 g
Weight per piece (excluding packing)	100.4 g
Customs tariff number	76169910
Country of origin	CN

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Technical data

Notes

Assembly note	Only use the screws listed in the accessories to screw the components.
Order information:	Mounting screws are not supplied as standard.
General	Please observe the application note in the download area.
General	Individual milling possible.
Recommendation	Further information and detailed dimensions are available in the download area.

Product properties

Product type	Heatsink
Housing type	Heatsink
Housing series	BC
Product family	BC 53,6..

Dimensions

Width	46.9 mm
Height	28.7 mm
Length	89.7 mm
Base panel thickness [b]	4.8 mm
Dimensions	x 4 mm (Base clearance)

Material specifications

Color (Housing)	aluminum color
Material	Aluminum
Surface characteristics	anodized

Environmental and real-life conditions

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 Hz ... 58.1 Hz)
Acceleration	2g (58.1 Hz ... 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

Shocks

Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	15g
Shock duration	11 ms

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Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

Test for substances that would hinder coating with paint or varnish

Specification	VDMA 24364:2018-05
Result	Test passed

Ambient conditions

Max. IP code to attain	IP20
Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C

Mounting

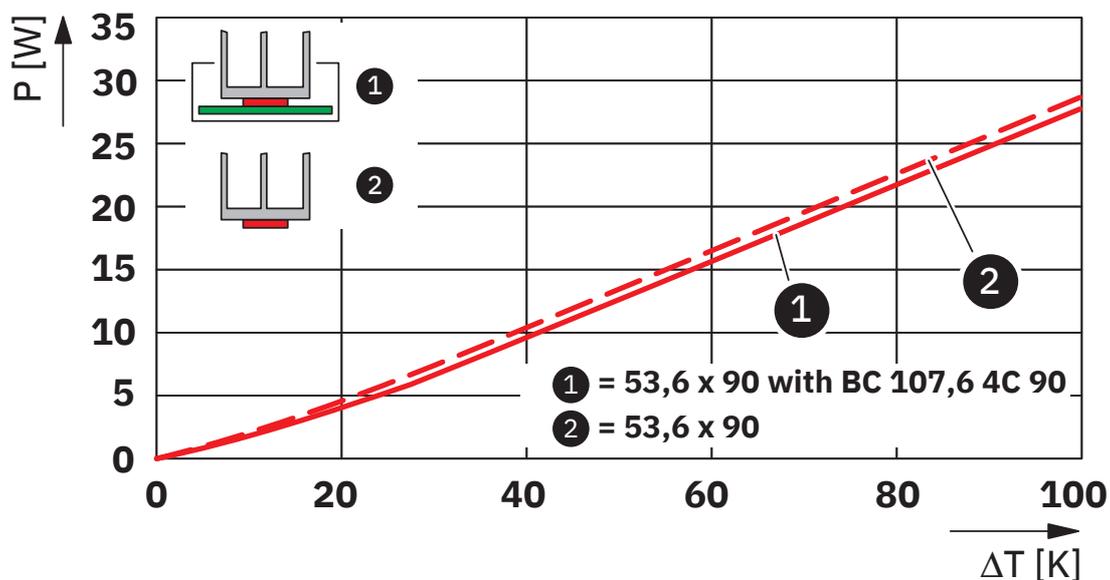
Mounting type	Screw mounting
Tightening torque / speed	Screw connection to the PCB: 0.6 Nm-0.7 Nm / 500 rpm-1000 rpm

Packaging specifications

Type of packaging	Box packaging
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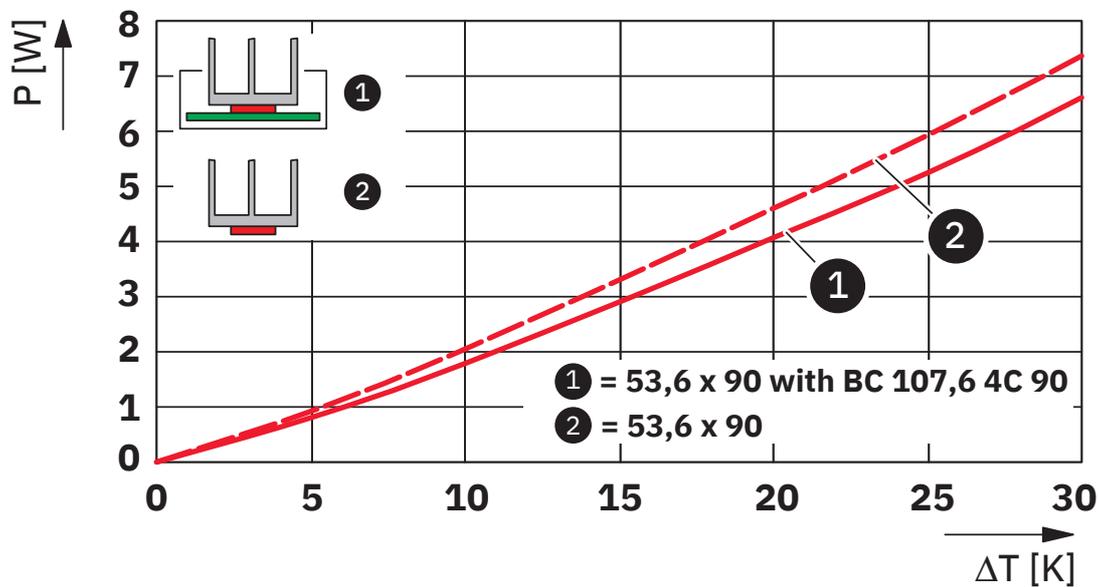
Drawings

Diagram



Power dissipation diagram for 0 K ... 100 K

Diagram



Power dissipation diagram for 0 K ... 30 K

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Classifications

ECLASS

ECLASS-13.0	27260501
ECLASS-15.0	27260501

ETIM

ETIM 9.0	EC001143
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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