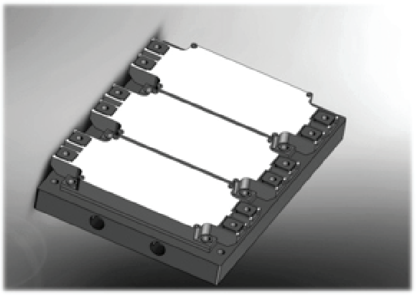
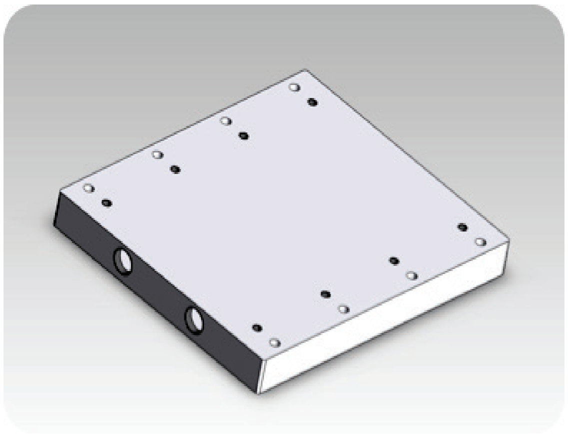
Standard Liquid Cold Plates

Baknor
The Way To Cool

Part Number	Size	Weight	Efficiency
BK CP1421	140 x 210 x 18.5 mm	1.3 kg	(Rth = 10° C/kw @ 51/min)
BK CP1426	140 x 260 x 18.5 mm	1.6 kg	(Rth = 8 °C/kw @ 51/min)
BP CP1518	150 x 180 x 18.5 mm	1.1 kg	(Rth = 10 °C/kw @ 51/min)
BP CP1521	150 x 210 x 18.5 mm	1.35 kg	(Rth = 10 °C/kw @ 51/min)





Part Number	Compatible Power Module Packages
BK CP1421	Fuji Semiconductor M127; M234; M235 Infineon 62mm Package Microsemi SP6, D3 and D4 Packages Mitsubishi 62mm Package Semikron SemiTrans ® Case D56
BK CP1426	Fuji Semiconductor M238 & M247 Mitsubishi IGBTMOD™ A, NF & NFH Series
BP CP1518	Fuji Semiconductor M629 Infineon EconoPACK™ + Mitsubishi Intellimod™L Series Semikron SEMIX® 33
BP CP1521	Fuji 122 X 62MM Package Infineon EconoDUAL™ 3 Mitsubishi IGBTMOD™ A & NX SERIES Semikron SEMIX® 3

Other Baknor Products
Thermal Solutions

Natural Convection
- BGA Cooling
- Heat Sinks–Extrusion
- Heat Sinks–Castings
- Heat Sinks–Machining

Force Convection
- Fan Assemblies
- Fin Assemblies

Phase Change Cooling
- Heat Pipes
- Vapor Chambers

Liquid Cooling
- Brazed
- Serpentine Pipe

Thermal Assemblies

baknor®
Thermal and Packaging

Standard Liquid Cold Plate

Baknor

The Way To Cool

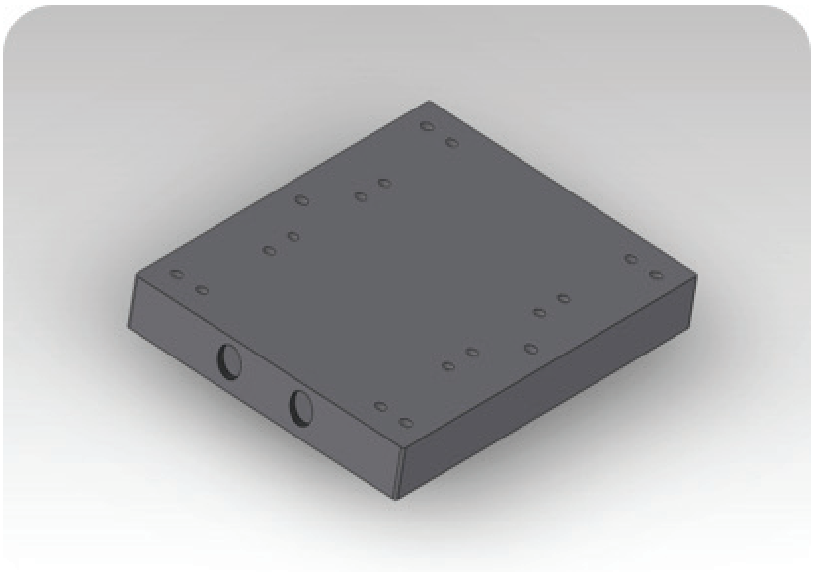
Standard Brazed Liquid Cold Plate
Part Number: BK CP1421

Compact
(140 x 210 x 18.5 mm)

Light
(1.3 kg)

Efficient
(Rth = 10º C/kw @ 51/min)

Safe & Reliable
Leak Free
(100% tested @ 10 bar)



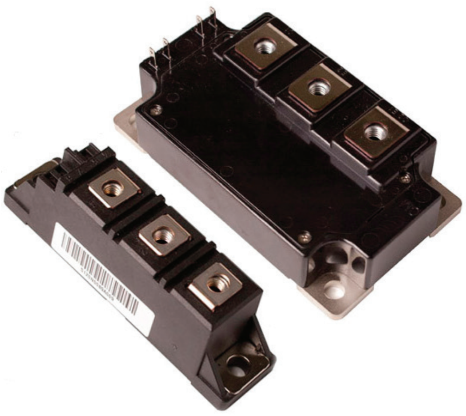
Materials:
Aluminium Alloy AL EN AW 6060+

Turbulators Inside

Cooling Circuit 100% Sealed By Brazing Under Controlled Atmosphere

Very Uniform Temperature Distribution Under Power Modules

Suitable For Any High Power Semiconductor Application



Compatible Power Module Packages
Mitsubishi 62mm Package
Infineon 62mm Package
Semikron SemiTrans® Case D56
Fuji Semiconductor M127; M234; M235
Microsemi SP6, D3 and D4 Packages

Other Baknor Products Thermal Solutions

Natural Convection
- BGA Cooling
- Heat Sinks–Extrusion
- Heat Sinks–Castings
- Heat Sinks–Machining

Force Convection
- Fan Assemblies
- Fin Assemblies

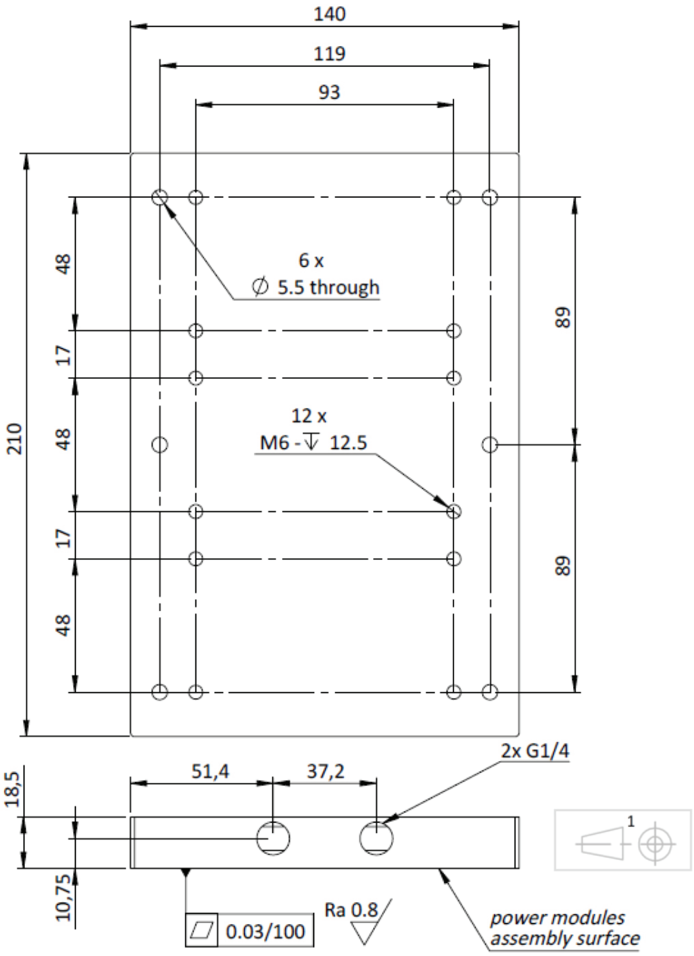
Phase Change Cooling
- Heat Pipes
- Vapor Chambers

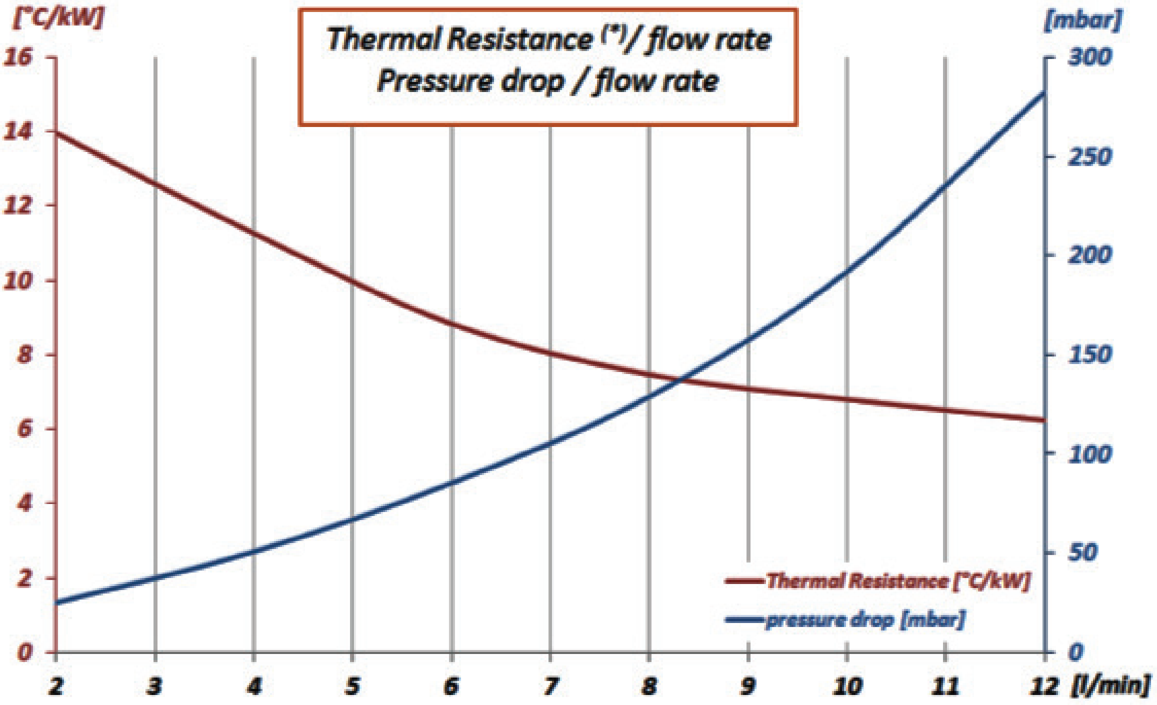
Liquid Cooling
- Brazed
- Serpentine Pipe

Thermal Assemblies

baknor®
Thermal and Packaging

Standard Brazed Liquid Cold Plate Part Number: BK CP1421





(*) Thermal Resistance: max TLCP surface to T fluid IN
(Water + Ethylene Glycol 50%vol. @40°C)

Other Baknor Products
Packaging Solutions

Machining
- Precision
- Repeatable
- Complex

Die Casting
- High Quality
- Aluminium
- Zinc
- Magnesium

Fabricated Extrusion
- Standard Profiles
- Custom Profiles
- Complete Finishing

Stamped and Formed
- Blanking
- Deep Drawing
- Metal Coining
- Progressive Die Stamping

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1-877-902-2566

sales@baknor.com
www.baknorthermal.com

Standard Liquid Cold Plate

Baknor

The Way To Cool

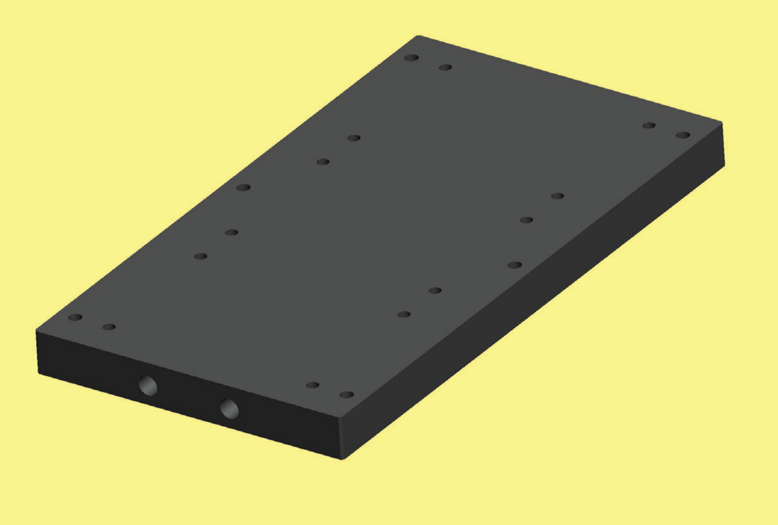
Standard Brazed Liquid Cold Plate
Part Number: BK CP1426

Compact
(140 x 260 x 18.5 mm)

Light
(1.6 kg)

Efficient
(Rth = 8 ºC/kw @ 51/min)

Safe & Reliable
Leak Free
(100% tested @ 10 bar)



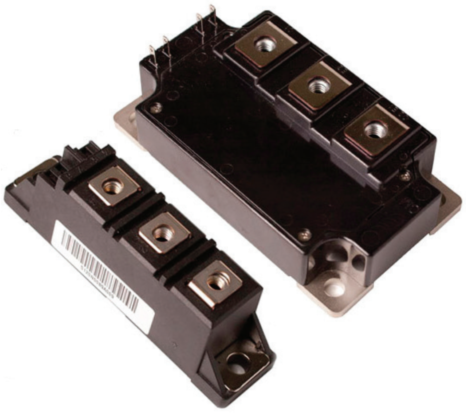
Materials:
Aluminium Alloy AL EN AW 6060+

Turbulators Inside

Cooling Circuit 100% Sealed By Brazing Under Controlled Atmosphere

Very Uniform Temperature Distribution Under Power Modules

Suitable For Any High Power Semiconductor Application



Compatible Power Module Packages

Mitsubishi IGBTMOD™
A, NF & NFH Series

Fuji Semiconductor
M238 & M247

Other Baknor Products
Thermal Solutions

Natural Convection
- BGA Cooling
- Heat Sinks–Extrusion
- Heat Sinks–Castings
- Heat Sinks–Machining

Force Convection
- Fan Assemblies
- Fin Assemblies

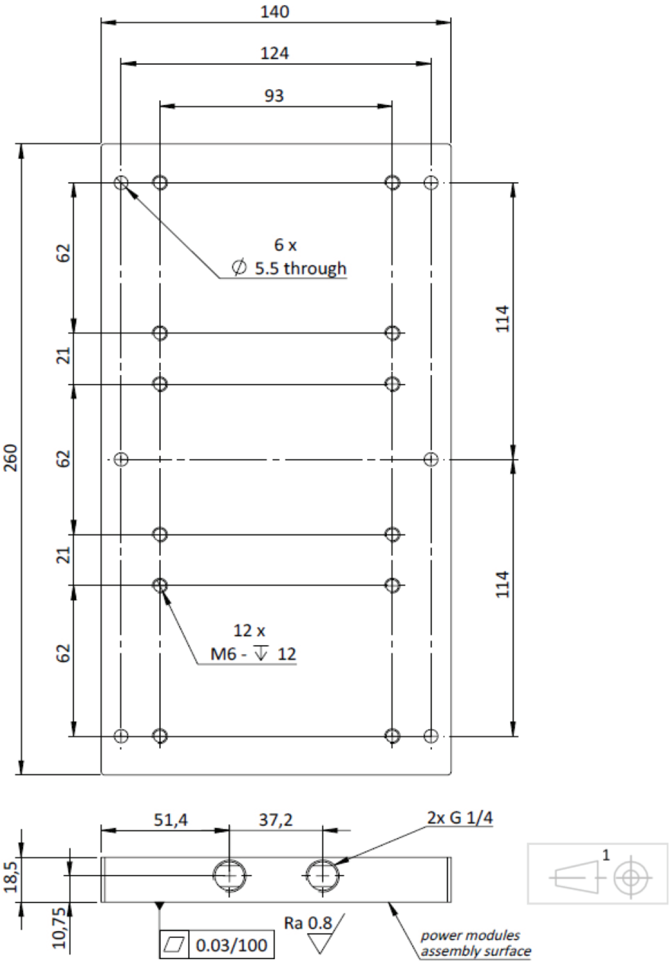
Phase Change Cooling
- Heat Pipes
- Vapor Chambers

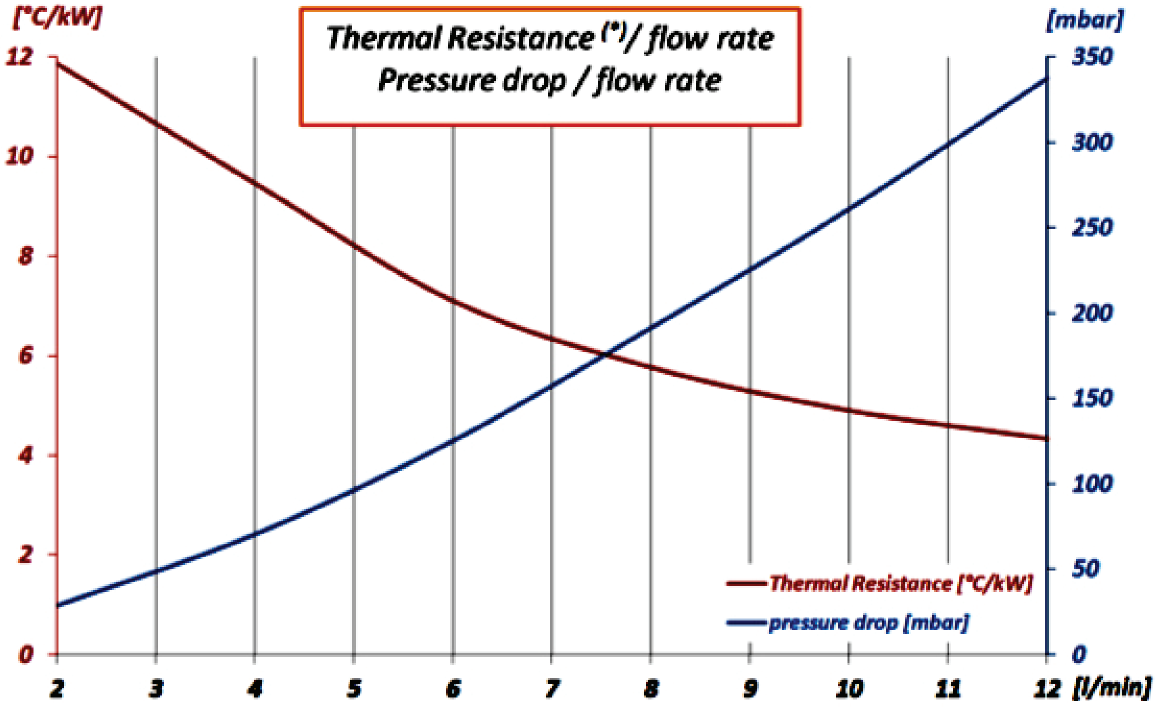
Liquid Cooling
- Brazed
- Serpentine Pipe

Thermal Assemblies

baknor®
Thermal and Packaging

Standard Brazed Liquid Cold Plate Part Number: BK CP1426





(*) Thermal Resistance: max TLCP surface to T fluid IN
(Water + Ethylene Glycol 50%vol. @40°C)

Other Baknor Products
Packaging Solutions

- Machining
  - Precision
  - Repeatable
  - Complex
- Die Casting
  - High Quality
  - Aluminium
  - Zinc
  - Magnesium
- Fabricated Extrusion
  - Standard Profiles
  - Custom Profiles
  - Complete Finishing
- Stamped and Formed
  - Blanking
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Standard Liquid Cold Plate

Baknor

The Way To Cool

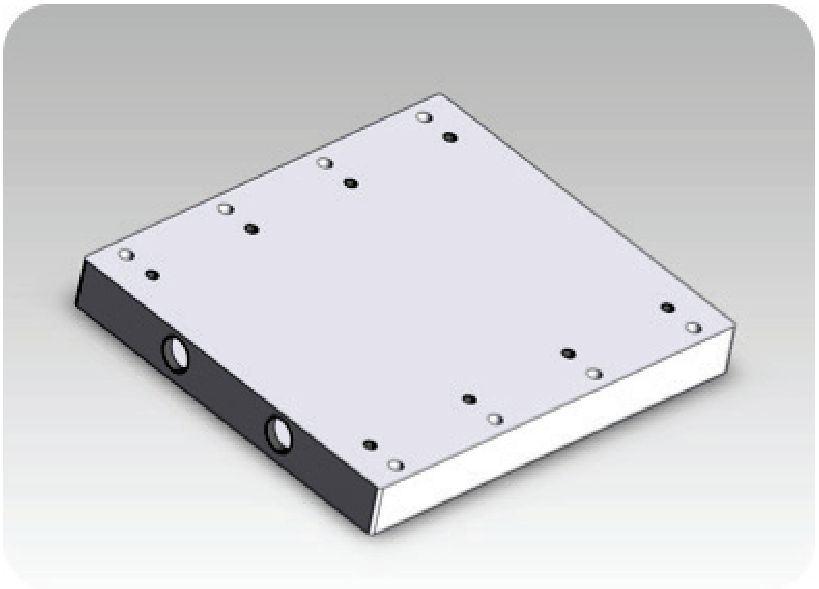
Standard Brazed Liquid Cold Plate
Part Number: BK CP1518

Compact
(150 x 180 x 18.5 mm)

Light
(1.1 kg)

Efficient
(Rth = 10 °C/kw @ 51/min)

Safe & Reliable
Leak Free
(100% tested @ 10 bar)



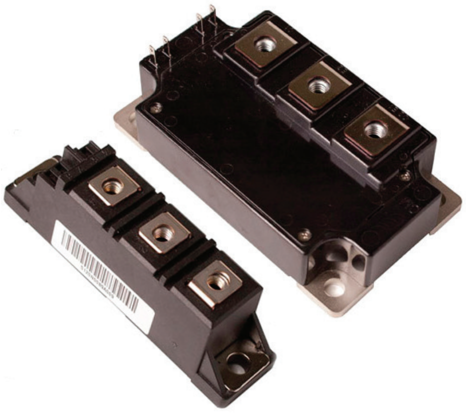
Materials:
Aluminium Alloy AL EN AW 6060+

Turbulators Inside

Cooling Circuit 100% Sealed By Brazing Under Controlled Atmosphere

Very Uniform Temperature Distribution Under Power Modules

Suitable For Any High Power Semiconductor Application



Compatible Power Module Packages

Mitsubishi Intellimod™L Series
Infineon EconoPACK™ +
Semikron SEMIX® 33
Fuji Semiconductor M629

Other Baknor Products
Thermal Solutions

Natural Convection
- BGA Cooling
- Heat Sinks–Extrusion
- Heat Sinks–Castings
- Heat Sinks–Machining

Force Convection
- Fan Assemblies
- Fin Assemblies

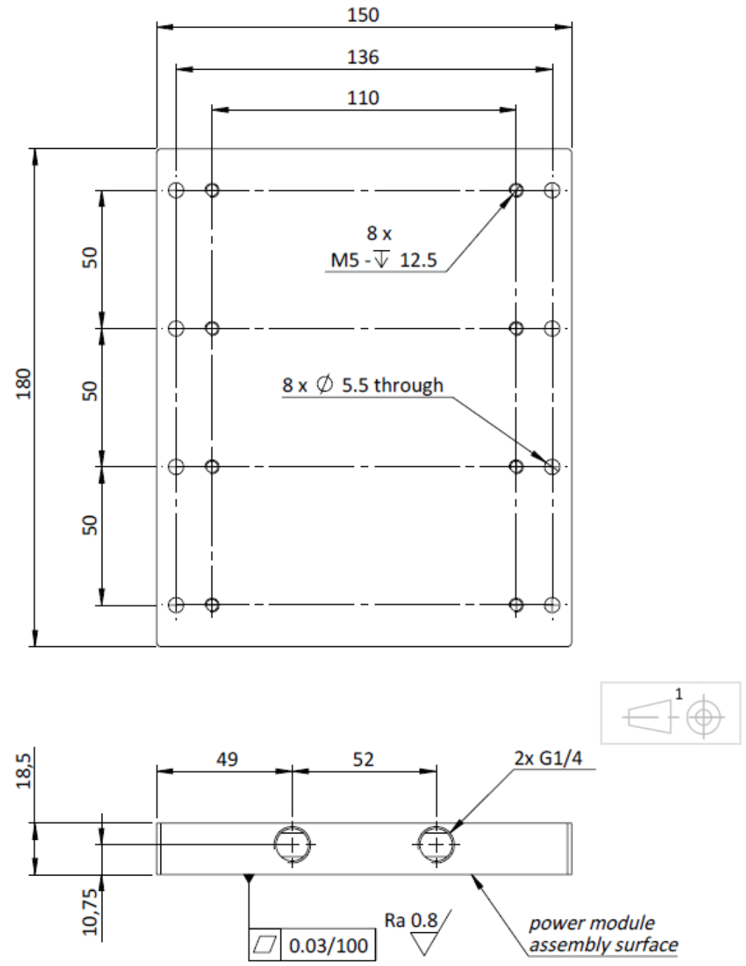
Phase Change Cooling
- Heat Pipes
- Vapor Chambers

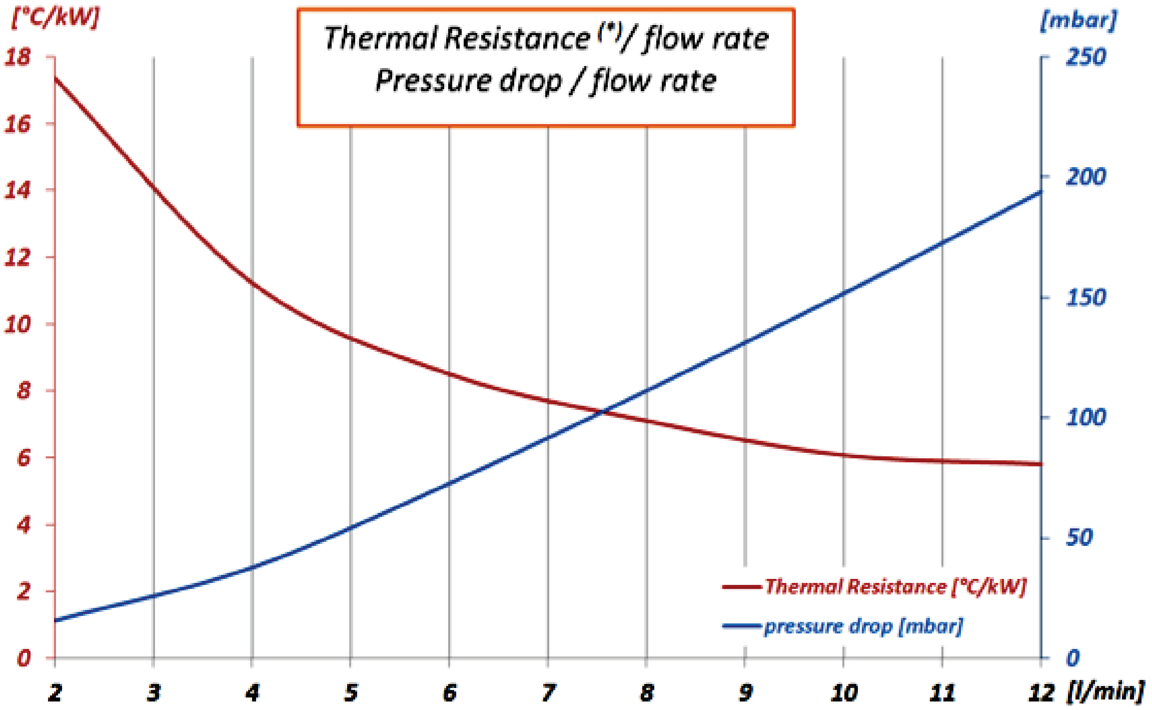
Liquid Cooling
- Brazed
- Serpentine Pipe

Thermal Assemblies

baknor®
Thermal and Packaging

Standard Brazed Liquid Cold Plate Part Number: BK CP1518





(*) Thermal Resistance: max TLCP surface to T fluid IN
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Other Baknor Products
Packaging Solutions

- Machining
  - Precision
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  - Complex
- Die Casting
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Standard Liquid Cold Plate

Baknor

The Way To Cool

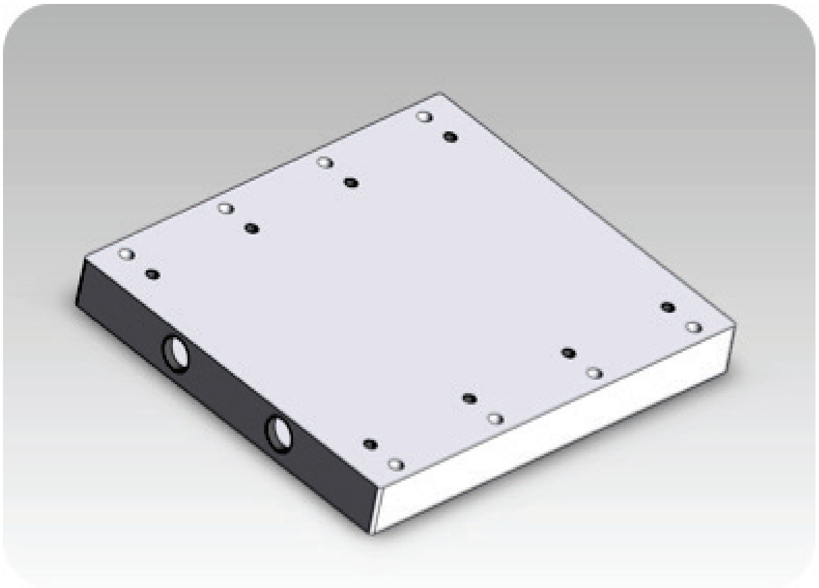
Standard Brazed Liquid Cold Plate
Part Number: BK CP1521

Compact
(150 x 210 x 18.5 mm)

Light
(1.35 kg)

Efficient
(Rth = 10 °C/kw @ 51/min)

Safe & Reliable
Leak Free
(100% tested @ 10 bar)

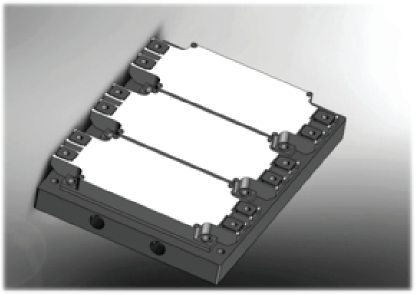


Materials:
Aluminium Alloy AL EN AW 6060+

Turbulators Inside

Cooling Circuit 100% Sealed By Brazing Under Controlled Atmosphere

Very Uniform Temperature Distribution Under Power Modules



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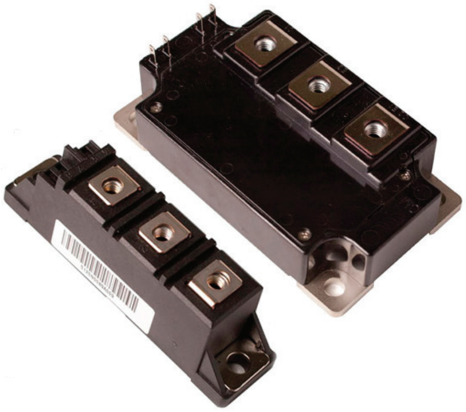

Compatible Power Module Packages

Mitsubishi IGBTMOD™
A & NX SERIES

Infineon EconoDUAL™ 3

Semikron SEMIX® 3

Fuji 122 X 62MM Package

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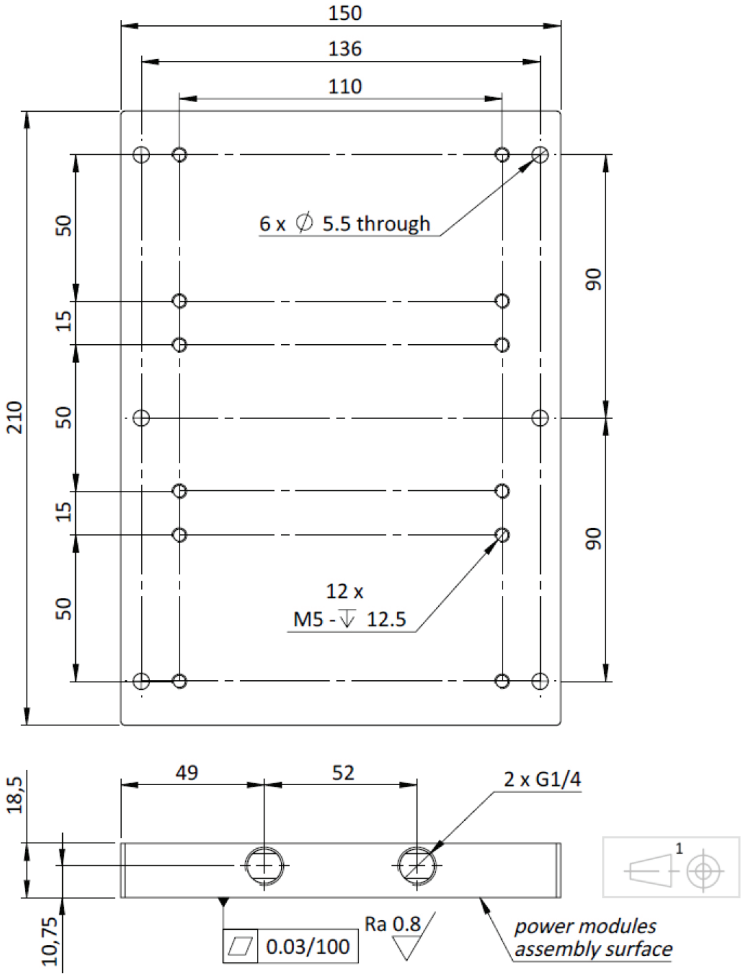
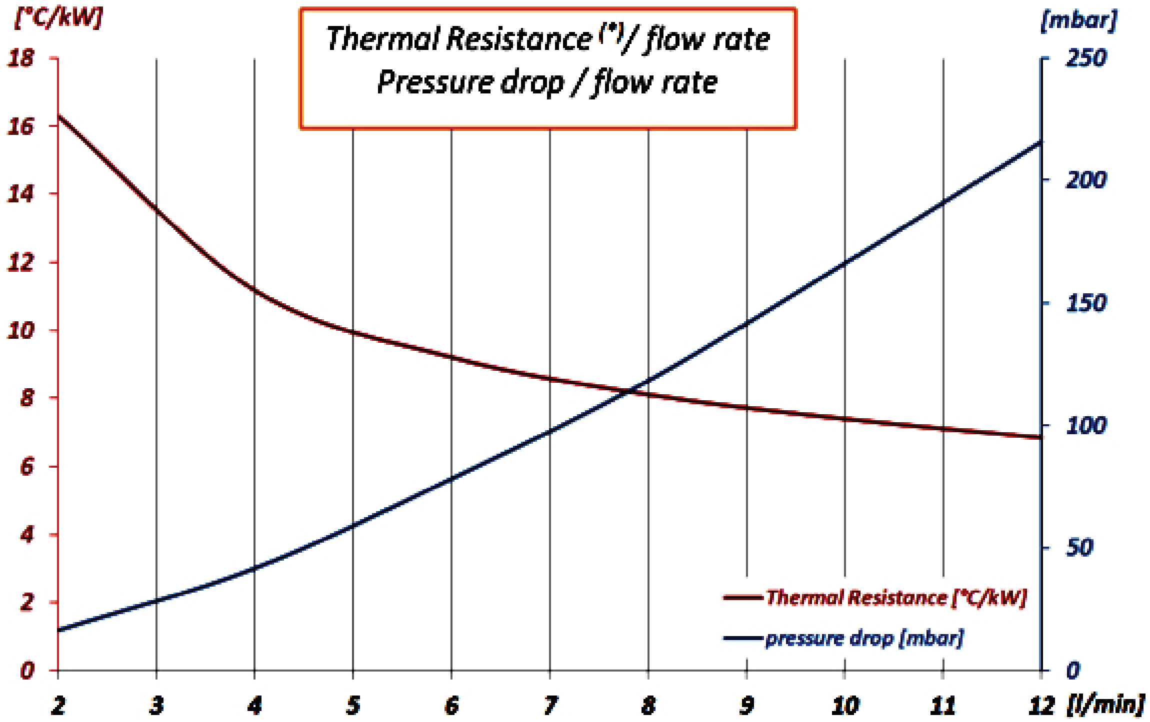
Thermal Assemblies

baknor
Thermal and Packaging

Standard Brazed Liquid Cold Plate Part Number: BK CP1521





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