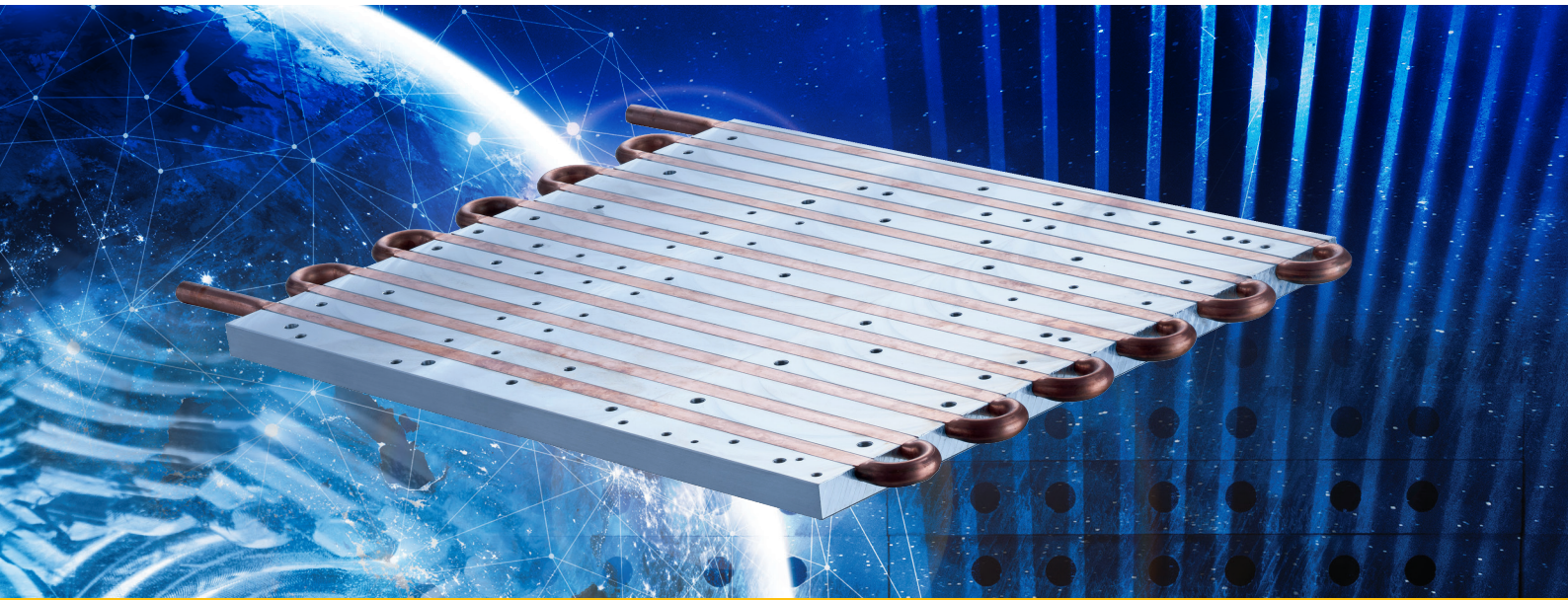


LIQUID COOLING

Series KL / KLD / KP

Innovation in Motion



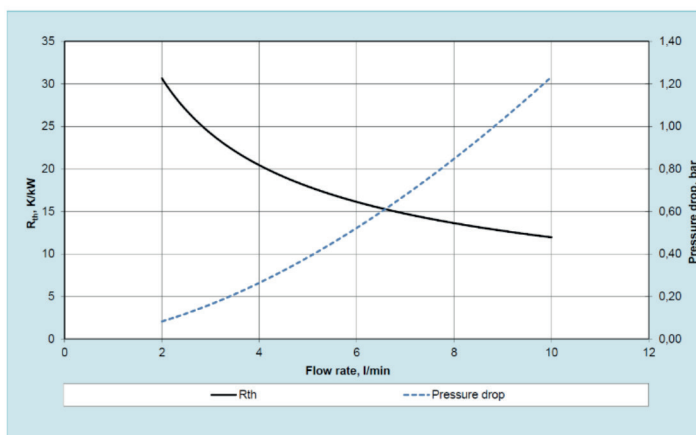
Application

Miba has designed KP/KLD/KL – liquid cooling cold plates, especially used for IGBT cooling systems, with embedded copper or stainless-steel tubes.

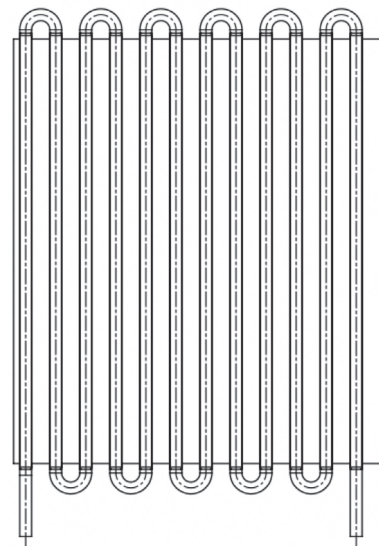
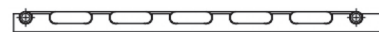
General Characteristics

Depending on the composition of the cooling medium, Miba insert stainless steel and copper tubes in various diameters into an aluminium base body.

	Width B mm	Length L mm	Plate thickness based on tube diameter		
			8mm	10mm	12mm
min.	60	100	12	14	16
max.	600	1500	22	22	22



Drawing



Description

- No. of modules: 2
- Module size: 140x190[mm]
- Power dissipation: 875[W/module]
- Thermocouple: Type K
- Fluid type: water
- Fluid inlet temperature: 30[°C]

Miba Power Electronics Group | Miba Cooling Austria GmbH & Co KG | Dietenberg 38, 8563 Ligist, Austria

T +43 3143 2351-0 | www.miba-cooling.com | sales.MCA@miba.com

Geschäftsadresse / Company Register: Dr.-Mitterbauer-Str. 3, 4663 Laakirchen, FN 14735w Landesgericht / Jurisdiction Wels

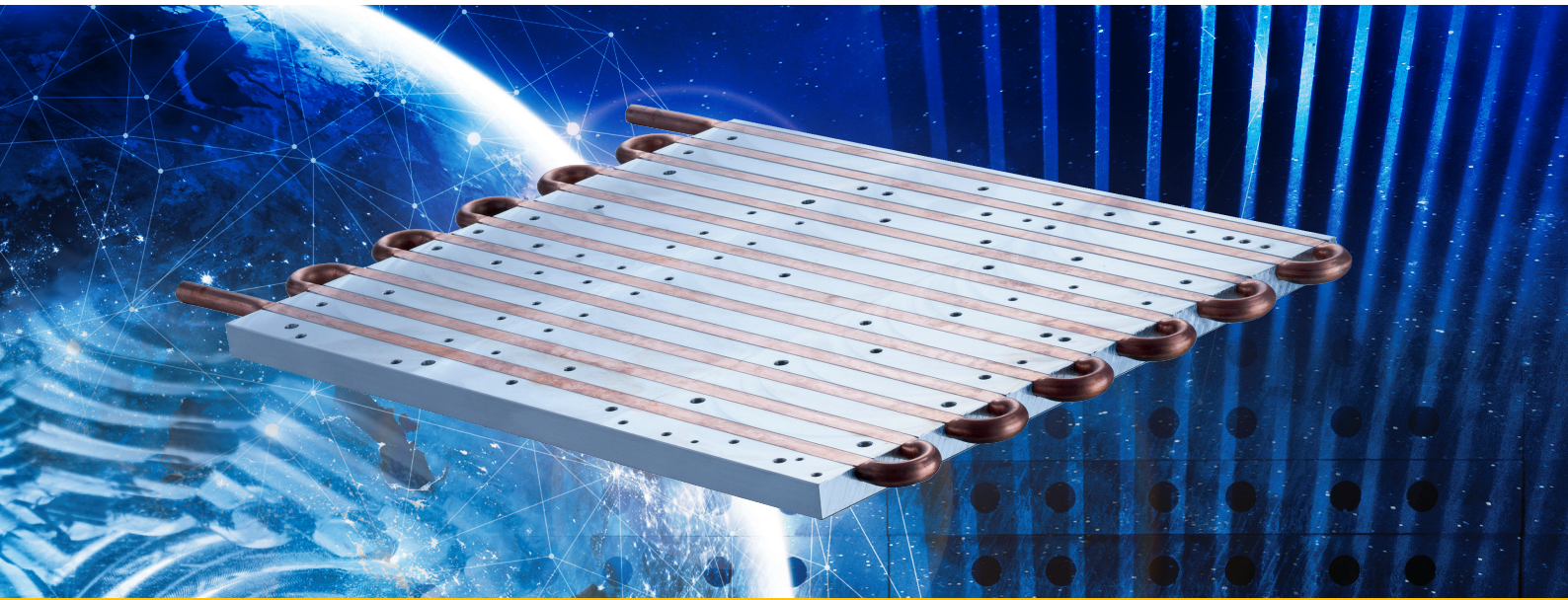
Bank / Banking: Unicredit Bank Austria Graz, IBAN EUR: AT49 1100 0048 8414 8000, IBAN USD: AT89 1200 0048 8414 8003, BIC: BKAUATWW, UID-Nr. / VAT No.: ATU30355807



LIQUID COOLING

Series KL / KLD / KP

Innovation in Motion

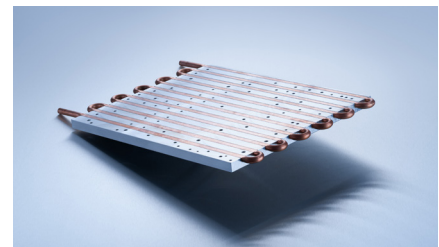


General informations

KL Series: Miba KL Series is specially designed as a cost-effective version in comparison to the KLD Series. While with KLD Series the tube is formed into the aluminum base body, KL Series is realized with pressed-in tubes of copper or stainless steel. The thermal resistance can be reduced in this case especially for smaller electric components.



KLD Series: With high precision formed tubes and a patented molding technique of these tubes into solid aluminium plates, KLD Series offers design possibilities up to virtually unlimited configurations.



KP Series: Miba has designed the KP cooling system with joint-free embedded copper or stainless-steel tubes. In a closed loop cooling circuit with continuous fluid control and well-chosen materials, even deionized or demineralized water can be used as cooling media.

