

ALUMINIUM ROUND PRESSFIN HEAT SINKS – TPFR SERIES

Aluminium round pressfin heat sinks are 30-40% more efficient when compared to extruded or die cast heat sinks, thus ensuring a low thermal difference between the heat sink and the device.

Round pins offer a greater surface area when compared to square pins.

Aluminium round pressfin heat sinks react much faster as the manufacturing process ensures the atomic structure of the aluminium is in the direction of the heat flow.

They are particularly suitable for applications generating high levels of heat and where space and weight are at a premium.

Manufactured from Al99,0-99 pure aluminium with a thermal conductivity of 210 ~ 236 W/mk.

Very smooth mounting surface <8Rz, ensuring low thermal impedance from the contact area.

Fully automated “one movement” manufacturing process produces a 20% cost saving when compared to extruded or die cast heat sinks.



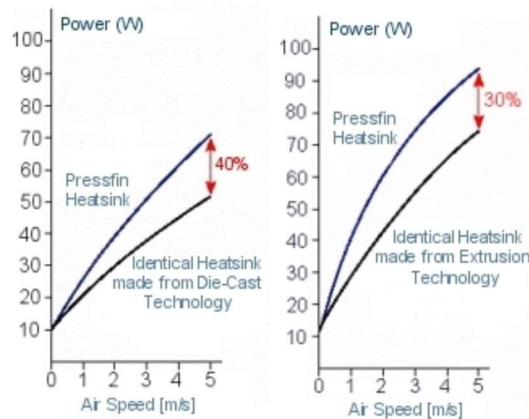
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Technical Advantages Of Pressfin

Use of pure aluminium (AL99,0-99,9) which already results in higher thermal conductivity of the basic material.

AlSiCu3 - Die casting alloys = 150~160 W/mk

AlMgSiO,5 - Continuous casting alloys = 180~200 W/mk

AL99,0-99,9 - Pure Aluminium = 210~236 W/mk

Part Number	Diameter	Height	Pin Height	Base Plate	Pin Ø	Number of Pins
TPFR127-10-50.0	50.0	10.0	7.0	3.0	1.8	127
TPFR127-20-50.0	50.0	20.0	17.0	3.0	1.8	127
TPFR44-18.5-28.5	28.5	18.5	16.5	2.0	1.5	44
TPFR44-6.5-28.5	28.5	6.5	4.5	2.0	1.5	44
TPFR61-10-32.5	32.5	10.0	7.0	3.0	1.8	61
TPFR61-20-32.5	32.5	20.0	17.0	3.0	1.8	61
TPFR68-10-36.5	36.5	10.0	6.5	3.5	1.8	68
TPFR68-15-36.5	36.5	15.0	11.5	3.5	1.8	68
TPFR68-20-36.5	36.5	20.0	16.5	3.5	1.8	68
TPFR91-10-40.0	40.0	10.0	7.0	3.0	1.8	91
TPFR91-20-40.0	40.0	20.0	17.0	3.0	1.8	91

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