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Specifications Sheet

Generated: 2026-11-05

P/N: PLT-UN30F

PLT-UN30F Cold Plate, 30mm x 30mm (1.18in x 1.18in)

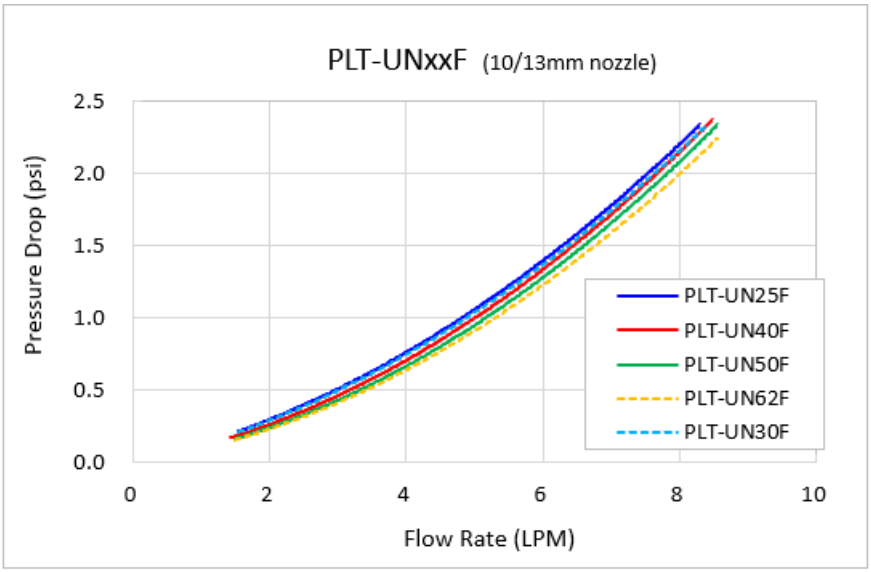


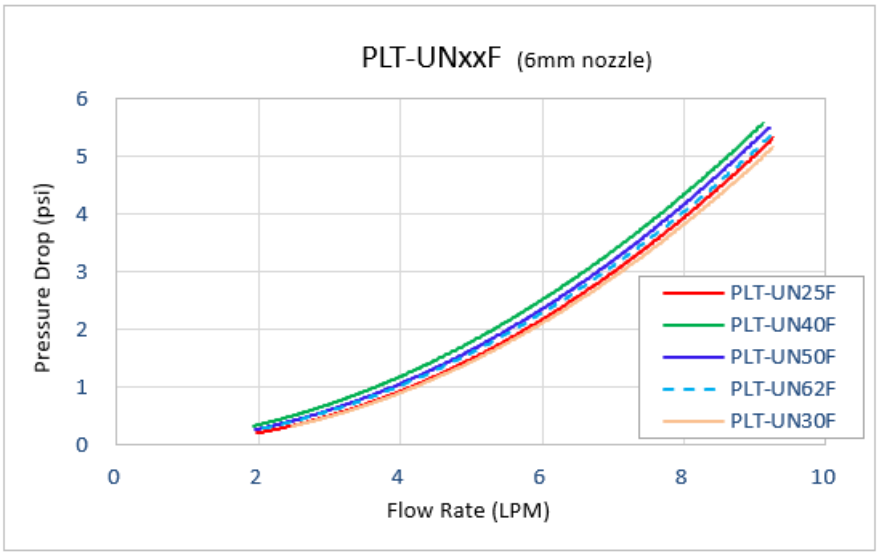
PLT-UN30F is a high-efficiency, general-purpose cold plate for thermal applications such as TEC, LED, image sensor, and semiconductor cooling. The cooling area footprint is 30mm x 30mm (1.18in x 1.18in), and it utilizes a 0.5mm microfin internal structure.

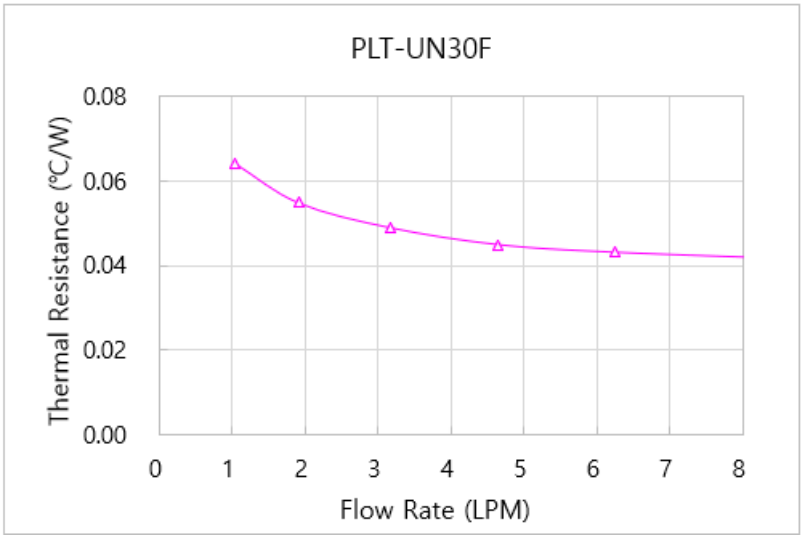
One loose steel bracket is included, designed for easy fabrication and modification (see dimensions under the "Files" tab). The included bracket accommodates diagonal mounting hole distances from approximately 60mm to 88mm (2.36in to 3.46in).

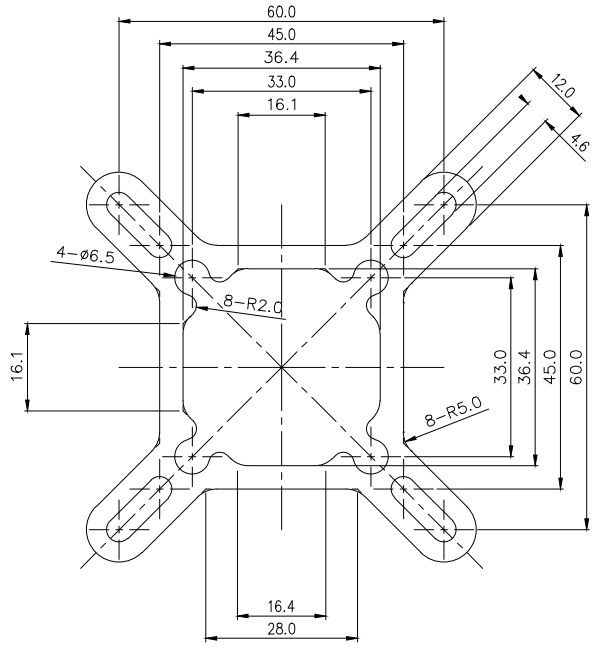
Cold plate materials include copper, a brass top, anti-corrosive nickel plating, and EPDM o-ring. Threaded for G 1/4 BSPP fittings.

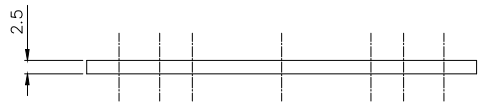
Cold Plates	
Flow Resistance @ 5LPM (10-13mm ID)	0.077 kgf/cm2 (1.1psi)
Thermal Resistance @ 5LPM (Approx.)	0.047°C/W
General	
Weight	0.50 lb (0.23 kg)
Fitting Thread	G 1/4 BSPP
Max Pressure Tolerance @ 25°C	8kgf/cm2 (113.8psi)
Max Temperature Tolerance	100°C (212°F)
Wetted Materials	Nickel-Plated Copper, Nickel-Plated Brass, EPDM

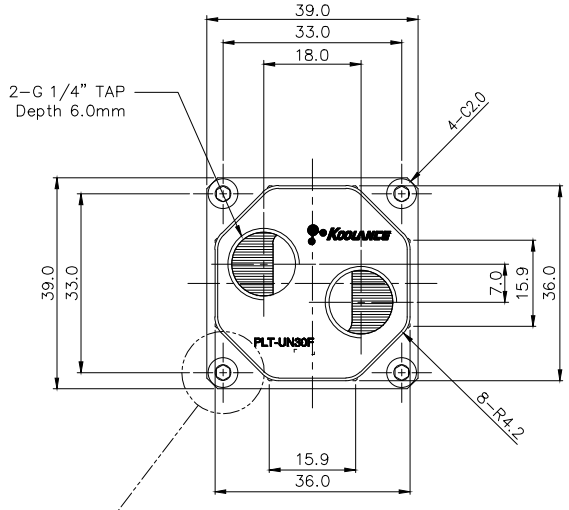


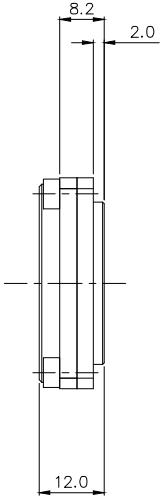

PLT-UNxxF (6mm nozzle)
Pressure Drop (psi)
0
1
2
3
4
5
6
0
2
4
6
8
10
Flow Rate (LPM)
PLT-UN25F
PLT-UN40F
PLT-UN50F
PLT-UN62F
PLT-UN30F

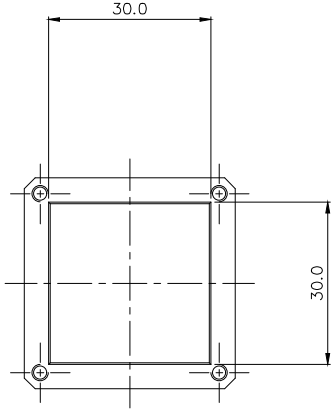

PLT-UN30F
Thermal Resistance (℃/W)
0.00
0.02
0.04
0.06
0.08
0
1
2
3
4
5
6
7
8
Flow Rate (LPM)

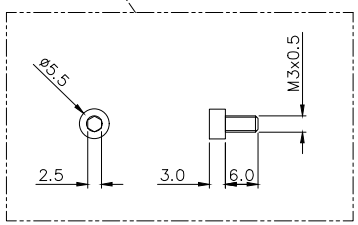












< Stainless Steel Socket Head Screw >

NO.	DESCRIPTION	MATER'L	QUANTITY	REMARKS
KOOLANCE		UNIT MM	ITEM PLT-UN30F	
	BY BY BY APPRO BY	SCALE N/S	TITLE Ass'y	
DATE		3RD ANGLE		
	SK.AN	CODE NO.	DWG. NO.	PAGE

REV	DATE	CONTENTS	REVD BY	CHKD BY	APPD BY
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REVISION