

PLT-UN40F Cold Plate, 40mm x 40mm (1.57in x 1.57in)

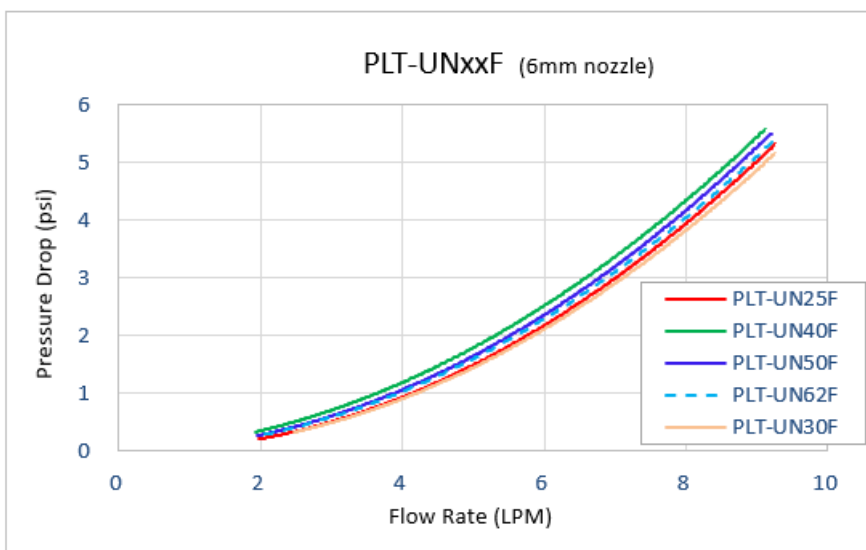


PLT-UN40F is a high-efficiency, general-purpose cold plate for thermal applications such as TEC, LED, image sensor, and semiconductor cooling. The cooling area footprint is 40mm x 40mm (1.57in x 1.57in), and it utilizes a 0.5mm microfin internal structure.

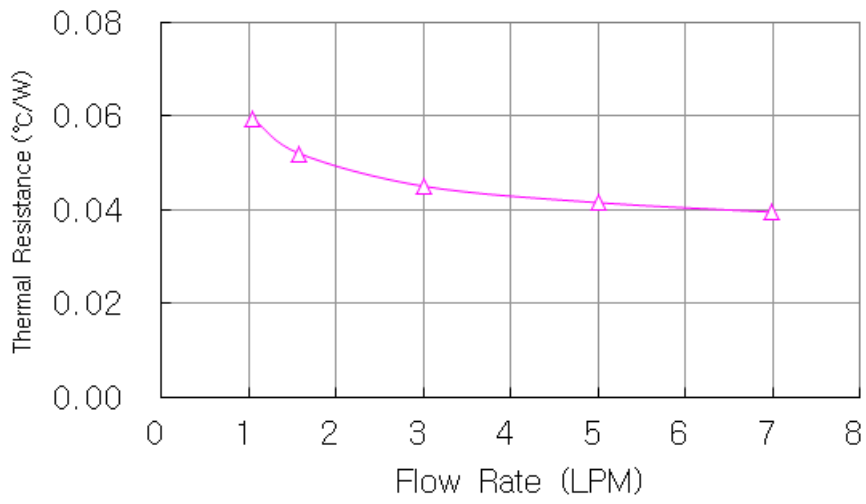
One loose steel bracket is included, designed for easy fabrication and modification (see dimensions under the "Files" tab). The included bracket accommodates diagonal mounting hole distances from approximately 60mm to 88mm (2.36in to 3.46in).

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

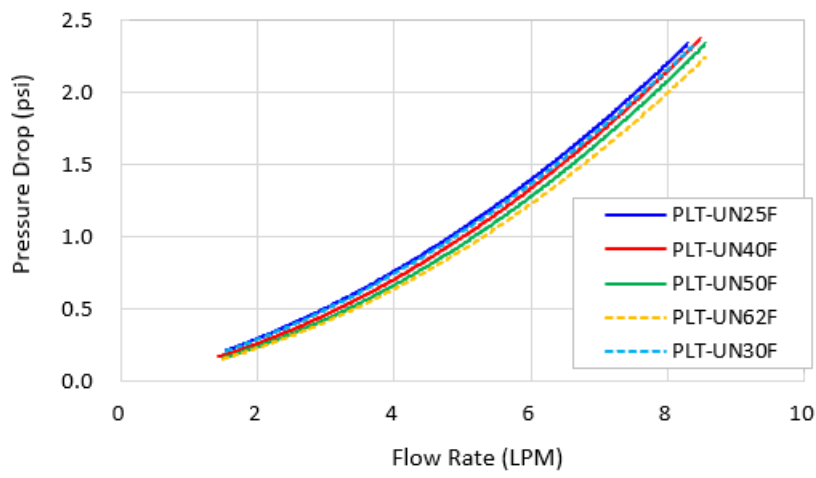
Cold Plates	
Flow Resistance @ 5LPM (10-13mm ID)	0.07 kgf/cm ² (1.0psi)
Thermal Resistance @ 5LPM (Approx.)	0.044° C/W
General	
Weight	0.34 lb (0.15 kg)
Fitting Thread	G 1/4 BSPP
Max Pressure Tolerance @ 25° C	8kgf/cm ² (113.8psi)
Max Temperature Tolerance	100° C (212° F)
Wetted Materials	Nickel-Plated Copper, Nickel-Plated Brass, EPDM

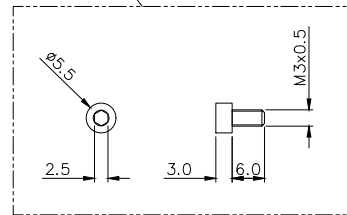
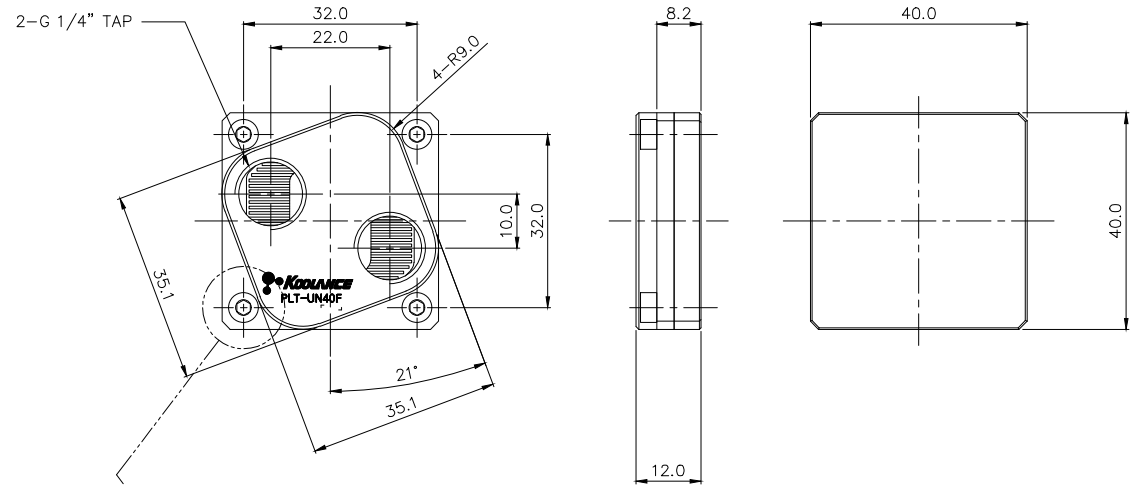
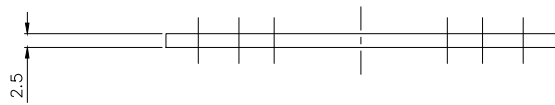
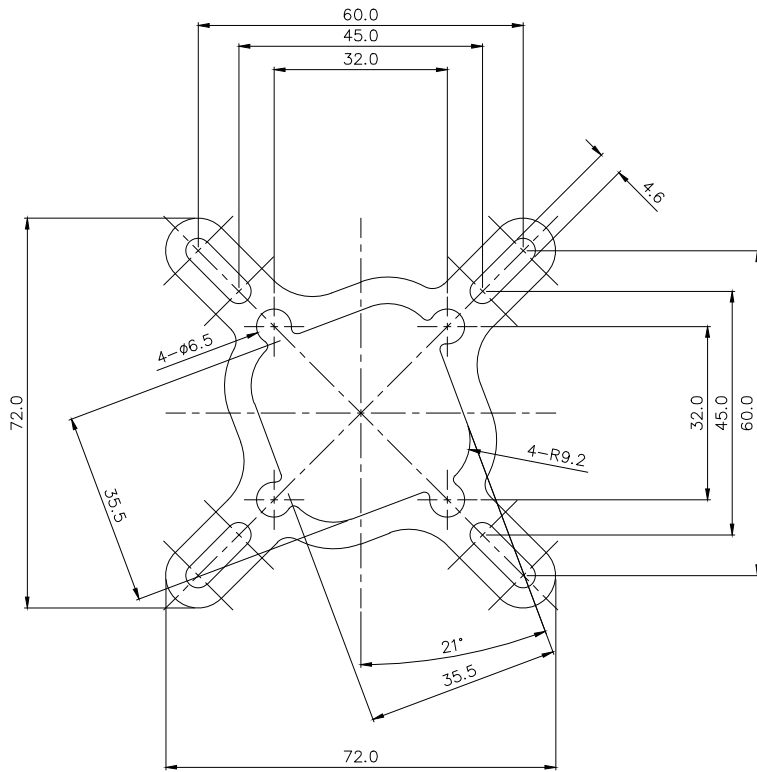


PLT-UN40F



PLT-UNxxF (10/13mm nozzle)





< Stainless Steel Socket Head Screw >

REV	DATE	CONTENTS	REVD BY	CHKD BY	APPD BY
REVISION					

NO.	DESCRIPTION				MATER'L		QUANTITY	REMARKS
					UNIT	MM	ITEM	PLT-UN40F
		SCALE		N/S	TITLE			
		3RD ANGLE		Ass'y				
DATE	BY	BY	BY	APPRO BY	CODE NO.	DWG. NO.	PAGE	
	S.J.LEE							