

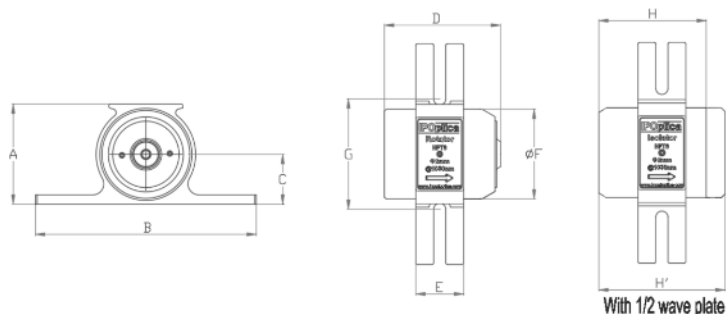
HPTS series of Faraday devices have been designed to meet high power and high energy laser (1000-1100nm) demands. Benefit from over 20% Verdet Constant higher and 30% less adsorption with respect with HPTG series, HPTS series is awarded low thermally induced birefringence and much cabinet dimensions contributing to laser design, especially for 1030nm seed source laser.

The high quality of HPTS series rely on our talents' years experience from aesthetic combined engineering design, theoretical data simulations, precision machining, and quality control, and have been specifically designed to satisfy the demands of high power damage threshold, low absorption, low insertion loss and high isolation.

SPECIFICATIONS

MODEL	HPTS High Power 1030nm, 1045nm, 1053nm, 1064nm (1000-1100nm)
Clear Aperture D	2mm
Working Wavelength	1000 ~ 1090nm
Rotation (Peak)	$45^\circ \pm 0.5^\circ$
Damage Threshold (@1064nm)	10J/cm ² @ 10ns (MAX 15J/cm ² on request) 1J/cm ² @ 8ps (MAX 1.5J/cm ² on request)
Peak Isolation	>35dB (Isolator)
Transmission Rate, %	>98% (Rotator) >96% (Isolator)
Storage Temp Range	-40°C ~ 70°C
Tunable Temp Range	20°C $\pm$ 10°C / On request
Isolated Beam Pointing	<3 mrad

DIMENSIONS



	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	H'(mm)
2mm	27.2	60	13.5	31.5	13	24.4	35	32.3	34.3