

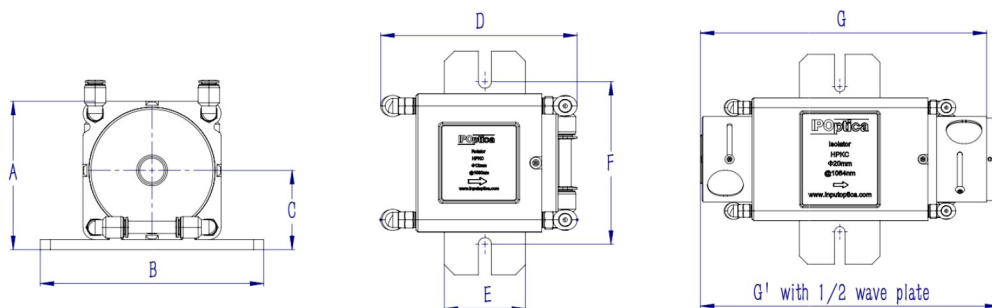
HPKC / HPTC series is making Water-Cooled Faraday Rotators & Isolators providing higher extinction at high incident power, an order of lower absorption and Thermo-optic Coefficient, making it a better solution for ultra-fast and high power applications with respect to HPKT / HPTG series.

HPKC / HPTC series focusing on 1000-1100nm high-end market demands, effectively avoids the reduction of isolation and transmission by the harmful disturbance of magnetic field from external ambient temperature or internal thermal absorption.

SPECIFICATIONS

MODEL	HPKC / HPTC High Power 1030nm, 1045nm, 1053nm, 1064nm (1000-1100nm)
Clear Aperture D	12mm, 15mm, 20mm
Working Wavelength	1000 ~ 1090nm
Rotation (Peak)	45° ± 1°
Peak Isolation	>35dB (Isolator)
Damage Threshold (@1064nm)	>7J/cm ² @ 10ns >600mJ/cm ² @ 8ps
Transmission Rate, %	>98% (Rotator) >96% (Isolator)
Storage Temp Range	-40°C ~ 70°C
Tunable Temp Range	20°C ± 10°C / On request
Isolated Beam Pointing	<3 mrad

DIMENSIONS



MODEL	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	G'(mm)
12mm	68.4	110	36.7	93.3	40	80	106.6	110.3
15mm	76.4	130	40.7	120.3	50	90	142.6	146.8
20mm	76.4	130	40.7	138.3	50	90	173.1	177.1