



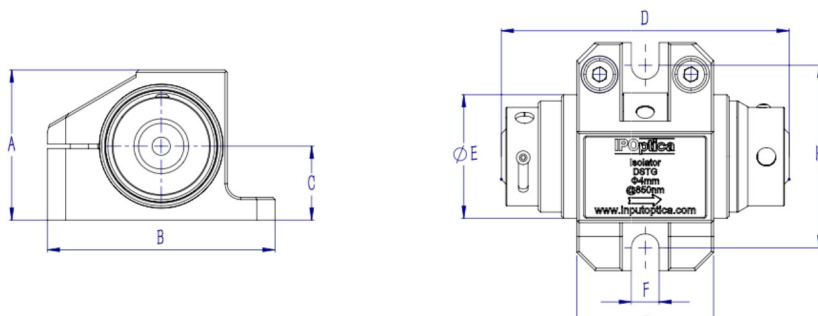
DSTG series is making superior Dual-Stage Faraday Isolators providing higher isolation over 60dB at high incident power for solid state lasers and fiber lasers in 500 - 1100nm range. The DSTG series support broad aperture range devices and tested up to 100W for CW power.

The high quality of DSTG 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	DSTG				
Working Wavelength	532nm	648nm	780nm	850nm	1064nm
Clear Aperture D	4mm, 5mm				5mm
Peak Isolation	>60dB (Typically: > 68dB)				
Rotation (Peak)	90° ± 0.5°				
Damage Threshold (@1064nm)	>3J/cm² @ 10ns				>10J/cm² @ 10ns
Transmission Rate, %	>93% (Isolator)				
Storage Temp Range	-40°C ~ 70°C				
Tunable Temp Range	20°C ± 10°C / On request				
Isolated Beam Pointing	<5 mrad				

DIMENSIONS



MODEL	Clear Aperture	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
320 ~ 450nm	3mm	29	35	14.5	58.2	23.5	3.5	25	30
455 ~ 550nm		31.5	45	16	54.2	25.5	3.5	30	35
560 ~ 710nm		36	50	18	57.2	30	4.5	30	40
715 ~ 870nm		36	50	18	59.2	30	4.5	30	40
875 ~ 980nm		36	50	18	71.2	30	4.5	30	40
320 ~ 430nm	5mm	25.5	35	13	64	20	3.5	25	30
440 ~ 490nm		31.5	45	16	64	25.5	3.5	30	35
495 ~ 580nm		31.5	45	16	65	25.5	3.5	30	35
600 ~ 670nm		42	60	21	70	35.5	5.5	35	45
680 ~ 780nm		42	60	21	73	35.5	5.5	35	45
790 ~ 900nm		42	60	21	83	35.5	5.5	35	45
910 ~ 980nm		42	60	21	91	35.5	5.5	35	45
1010 ~ 1080nm		57.5	75	28.5	84	51	6.5	40	60