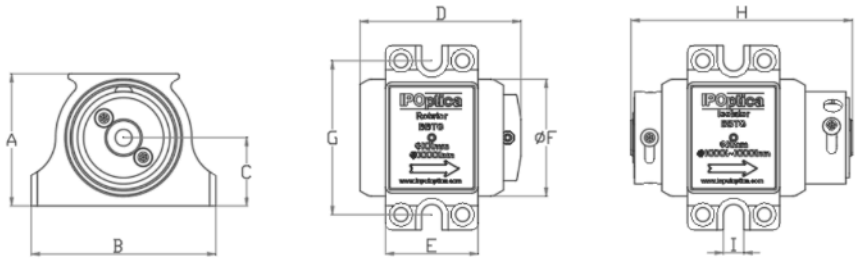
BBTG series products have been designed to minimum pulse broadening by unique short optical path length and low reflective indices. This results the great broadband wavelength protection to the ultra-short laser pulses at from 520nm to 1150nm.

The high quality of BBTG line relay 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	BBTG (Broadband)				
	532nm (520 ~ 590nm)	650nm (590 ~720nm)	808nm (720 ~ 950nm)		1053nm (950 ~ 1150nm)
Clear Aperture D	4mm		5mm	8mm, 12mm	5mm, 8mm, 12mm
Working Wavelength	520 ~ 590nm	590 ~720nm	720 ~ 950nm		950 ~ 1150nm
Rotation (Peak)	0° / 90° ± 1°				
Damage Threshold	3.4J/cm² @ 10ns 1J/cm² @ 10ns			5J/cm² @ 10ns 2kW/cm² CW	
Transmission Rate, %	>90% (Isolator)	>90% (Isolator)	>98% (Rotator) >93% (Isolator)		
Peak Isolation @22°C	>35dB (Isolator)				

DIMENSIONS



	Clear Aperture	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)
532nm (520 ~ 590nm)	4mm	27.15	60	13.5	\	13	24.4	30	31.8	6.6
650nm (590 ~720nm)		27.15	60	13.5	\	13	24.4	30	37.8	6.6
808nm (720 ~ 950nm)	5mm	43	50	22.2	41	25	38	45	59.9	6.6
	8mm	43	60	22.2	52.5	30	38	50	81.4	6.6
	12mm	54.4	72	27.6	57.5	30	49.4	60	102	6.6
1053nm (950 ~ 1150nm)	5mm	43	60	22.2	52.5	30	38	50	71.9	6.6
	8mm	54.4	72	27.6	57.5	30	49.4	60	82.9	6.6
	12mm	71.3	90	36.2	72	40	64.2	70	111.2	6.6
Up to 50mm	Up on request									