



CORE Series Highly Versatile Interference Modules

Specifications

	IR50.4	IR50.2	VIS50.4	VIS50.2	UV50.4	UV50.2
Wavelength	1064 nm	1064 nm	532 nm	532 nm	355 nm	355 nm
Spatial period 4 beams	2.0 - 10.4 μm	--	1.4 - 6.0 μm	--	1.0 - 4.4 μm	--
Spatial period 2 beams	1.5 - 7.3 μm	1.5 - 7.3 μm	1.0 - 4.2 μm	1.0 - 4.2 μm	0.7 - 3.1 μm	0.7 - 3.1 μm
Pattern type	dots / lines	lines	dots / lines	lines	dots / lines	lines
Two-beam efficiency	50 %	100 %	50 %	100 %	50 %	100 %
Working distance	20 - 35 mm					
Pulse duration	> 1 ps					
Dimensions	350 x 170 x 125 mm					
Weight	3.5 kg					

Characteristics

- Integratable in laser marking systems
- Microstructure size adjustable via software
- Variable marking spot size
- Other wavelengths on request

Applications

- Decoration, holograms and matting
- Light guiding
- Wetting control and self-cleaning
- Biocompatibility