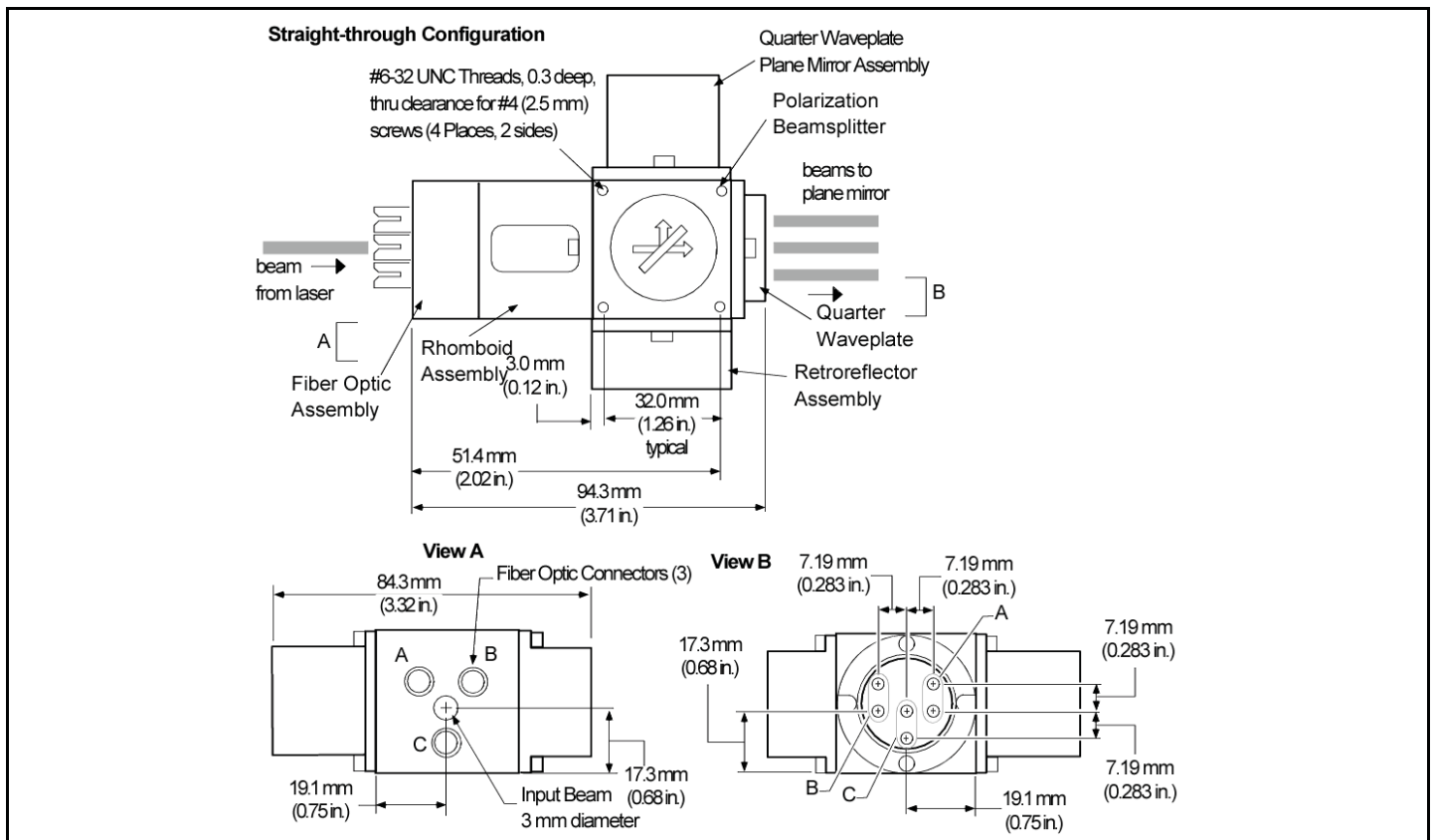


ZMI Compact 3 Axis HSPMI

P/N	DESCRIPTION
6191-0624-01	3-Axis Compact HSPMI, straight-through
PHYSICAL CHARACTERISTICS	
Dimensions	See Figure
Weight	619 grams (21.8 oz)
Materials	Housing- magnetic stainless steel Optics- BK7, crystalline quartz, and Zerodur Adhesives- vacuum grade, low volatility
COMPONENTS	
Included	Polarization Beamsplitter, Retroreflector Assembly, Quarter Waveplate, Quarter Waveplate Plane Mirror Assembly, Rhomboid Assembly, Fiber Optic Assembly
Not Included	Target Plane Mirror

OPTICAL		
Measure	Beams	Resolution
Linear	A, B, or C	0.31 nm (ZMI 2000) 0.15 nm (ZMI 4000)
Pitch	C:A+B/2	0.0088 arc sec (ZMI 2000) 0.0044 arc sec (ZMI 4000)
Yaw	A:B	0.0044 arc sec (ZMI 2000) 0.0022 arc sec (ZMI 4000)
Incoming beam diameter	3 mm	
Measurement beam spacing (center-to-center):	7.19 mm [linear, pitch, and yaw (beams C:B or C:A)] 14.38 mm (yaw, beams A:B)	
Signal Efficiency	> 18% per axis with a plane mirror having 99% reflectance at 633 nm at normal incidence	

Note: This interferometer does not perform optical differencing.



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