

# ZMI Compact 1-Axis HSPMI

P/N	DESCRIPTION	OPTICAL	
6191-0541-01	Compact HSPMI, straight-through	Linear displacement resolution (nominal)	0.31 nm (ZMI 2000)
6191-0541-02	Compact HSPMI, right-angle		0.15 nm (ZMI 4000)
PHYSICAL CHARACTERISTICS		Linear displacement range (typical)	0 to 1000 mm
Dimensions	See Figure	Maximum deviation of transmitted beam	≤2 arc min
Weight	65 grams (2.3 oz)	Incoming beam diameter	3 mm
Materials	Base- non-magnetic stainless steel Cover- aluminum Optics- BK7, crystalline quartz, Zerodur Adhesives- vacuum grade, low volatility	Measurement beam spacing (center-to-center)	6.35 mm
COMPONENTS		Signal Efficiency	>60% with a plane mirror having 99% reflectance at 633 nm at normal incidence
Not Included	Plane Mirror, Fiber Optic Pickup		

Note: Available with low outgassing adhesives for high vacuum applications.

