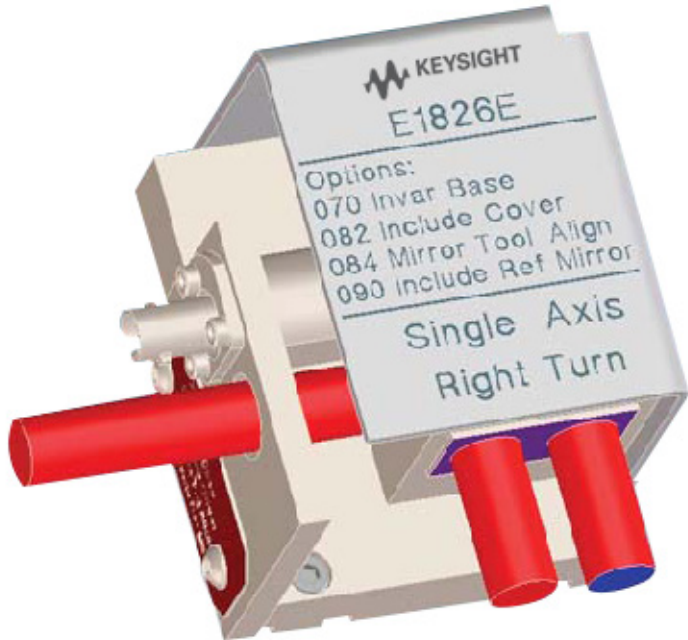


Keysight E1826E, E1826F, E1826G One-Axis Plane Mirror Interferometers

The Keysight Technologies, Inc. E1826E, E1826F, E1826G one-axis plane mirror interferometers features pre-aligned optical sensors, ± 1 nm maximum non-linearity error and low thermal drift. Three beam paths are available; right turn (E1826E), left turn (E1826F) and straight through (E1826G). Machined datums where the unit is attached to surface reduces alignment effort.



Keysight E1826E One-Axis Plane Mirror Interferometer Right Turn Configuration

Key features

- Accommodates 9 mm and smaller input beam
- High output efficiency, 65% typical
- High (~1 kHz) mechanical resonance frequency
- $\lambda/4$ optical resolution
- Less than 10 nm/°C thermal drift

Product specifications

Model	Description	Overall dimensions (L x W x H)	Application information
E1826E standard	One-axis plane mirror interferometer, right turn configuration ¹	68.3 mm x 64.7 mm x 43.3 mm (standard) 65 mm x 61.5 mm x 40 mm (no cover)	Beam height 31 mm – 13 mm output beam spacing
E1826F standard	One-axis plane mirror interferometer, left turn configuration ¹	75.5 mm x 56.3 mm x 43.3 mm (standard) 72.3 mm x 53 mm x 40 mm (no cover)	– Mirror recommendation: > 92% reflectance; flatness of $\lambda/20$
E1826G standard	One-axis plane mirror interferometer, straight thru configuration	75.5 mm x 56.3 mm x 43.3 mm (standard) 72.3 mm x 53 mm x 40 mm (no cover)	– Free beam input, ST connector output – Glass ST fibers recommended – “L” dimension is measured from the input beam side (side with ST connector)

1. Interferometer reflects the incoming beam to the right or left as viewed looking down on the unit.

Options	Description	
Cover	082	With installation cover (standard)
	083	No installation cover
Reference mirror	090	With reference mirror installed (standard)
	091	No reference mirror installed
Base plate	070	Invar base plate (standard)
	071	Passivated 416 stainless steel base plate

For more details on Keysight interferometry systems, components and ordering information please visit www.keysight.com/find/lasers

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