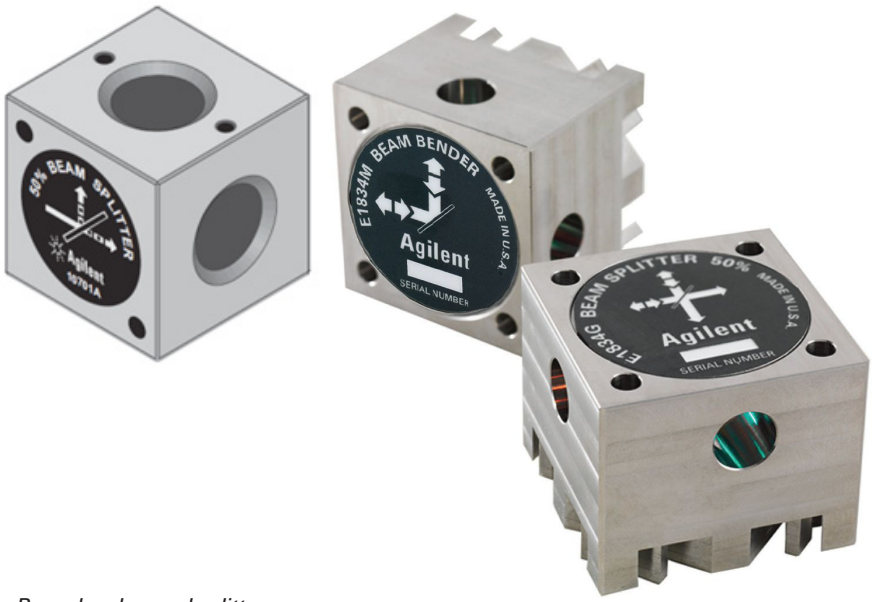
Quick Fact Sheet

Agilent Laser Interferometer Beam Directing Optics

Agilent offers a selection of beam directing optics, both mounted and bare, for use with Agilent Laser Interferometer systems. All systems should use at least one beam bender, and multi-axis system will need at least one beam splitter. Some of the benders and splitters are referenced, some use the 10710B adjustable mount, and some require a customer supplied mount.



Beam benders and splitters.

Key features

- Multiple beam splitting percentages available
- Standard 1″ interchangeable cube size for most products
- High precision beam manipulators simplify optical alignment

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Selection Guide

Splitter reflective percent	Referenced optic	In 1″ cube housing	Bare optic		Beam manipulators
0	–	–	–	–	N1209A
4	–	10700B	10725B	–	–
15	–	10700C	10725C	E1833C	–
33	E1834E	10700A	–	E1833E	–
50	E1834G	10701A	10725A	E1833G	–
67	E1834J	–	–	E1833J	–
100	• E1834M • E1834Z	10707A	10726A	E1833M	–
Dimensions (L x W x H) in mm	55 x 55 x 45	25.4 x 25.4 x 25.4	• Ø 19.3 x 2.41 • 22 x 30.48 x 7.62 (10726A)	23 x 33 x 6.38	60 x 60 x 52.7
Transmitted beam offset in mm	2.13	0.8	0.8	2.13	User adjust
Clear aperture in mm	11	10.16	• 16.5 • 19.05 x 26.92 (10726A)	29 x 19	• 16 (Risley prism) • 19 (Translator)
Mount	None required	10710B	User supplied		None required
Data sheets pub	5990-6651EN	5964-6190E		5989-4740EN	N1209-90004 user's guide
QFS pub	5990-5055EN	5990-8267EN			
Other pub for more info	–	05517-90086 laser and optic user manual vol II chap 17			

For additional information on Agilent laser interferometer systems, please visit **www.agilent.com/find/lasers** on the web

Technical data and availability subject to change without notice.
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