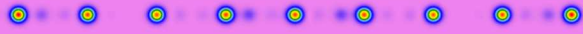


DBS-1x9 1x9 Diffractive Beam Splitter



PRODUCT FEATURES

- ▲ Separation of the input beam into nine beams
- ▲ Thin single optical element

APPLICATIONS

- ▲ Parallel laser material processing
- ▲ Parallel laser scanning
- ▲ Laser perforation
- ▲ Optical measurement

1x9 beam splitter diffracts the input beam into 9 beams. The power in each beam in ratio to the input power is $> 8\%$ and the uniformity error $(I_{max} - I_{min}) / (I_{max} + I_{min})$ is $< 5\%$. The power in the highest unwanted diffraction order is $< 1\%$ (of input power).

SPECIFICATIONS

Efficiency	$> 73\%$
Uniformity error	$< 5\%$
Strongest unwanted beam	$< 1\%$
Dimensions	dia. 25.4mm/thickn. 3mm
Active area	dia. 23mm
Damage threshold	5J/cm ² @ 10ns, 1064nm 4J/cm ² @ 10ns, 532nm 2J/cm ² @ 10ns, 355nm

Incl. AR/AR coating

SEPARATION ANGLE

1064nm	1030nm	532nm	515nm	355nm	343nm
1.200°	1.162°	0.600°	0.581°	0.400°	0.387°
0.600°	0.581°	0.300°	0.290°	0.200°	0.193°

Model No.: DBS-1x9-Wavelength-Separation angle

Other angles or wavelength on request

