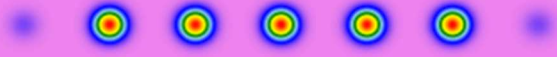


DBS-1x5 1x5 Diffractive Beam Splitter



PRODUCT FEATURES

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

APPLICATIONS

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

1x5 beam splitter diffracts the input beam into 5 beams. The power in each beam in ratio to the input power is $> 14\%$ and the uniformity error $(I_{max} - I_{min}) / (I_{max} + I_{min})$ is $< 5\%$. The power in the highest unwanted diffraction order is $< 2\%$ (of input power).

SPECIFICATIONS

Efficiency	$> 71\%$
Uniformity error	$< 5\%$
Strongest unwanted beam	$< 2\%$
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
0.301°	0.291°	0.151°	0.146°	0.101°	0.097°
0.296°	0.287°	0.148°	0.143°	0.099°	0.095°
0.065°	0.062°	0.032°	0.031°	0.022°	0.021°

Model No.: DBS-1x5-Wavelength-Separation angle

Other angles or wavelength on request

