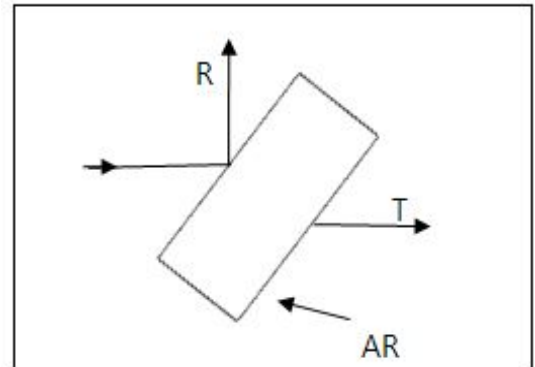


General Specifications

Substrate Material	
UV	: UV Fused Silica
VIS-NIR-IR	: BK 7
High Power	: Fused Silica
Surface Flatness	: $\lambda/20$ typical at 633nm
Surface Quality	: 10-5 laser quality
Dimension Tolerance	: +0.0mm / -0.1mm
Thickness Tolerance	: ± 0.1 mm
Wedge	: 1-3minutes
Chamfer	: 0.35 mm at 45° typical
Clear Aperture	: Exceeds central 90% of diameter



Please inquire for other stock split ratios.
Any split ratio available on a custom basis.

RT	Polarization code
04/96	U, S or P
10/90	U, S or P
50/50	U, S or P
60/40	U, S or P

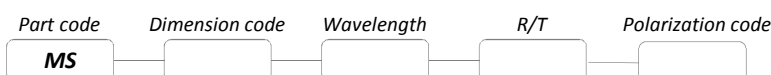
Model Specifications

1" dia. X 1/4" T Part Number	2" dia. X 1/4" T Part Number	Wavelength (nm)	Bndwidth*	Power rating	Laser
MS-25-193-R/T-Pol	MS-51-193-R/T-POL	193	10%	300 MW/cm ²	ArF
MS-25-212-R/T-Pol	MS-51-212-R/T-Pol	212	10%	300 MW/cm ²	Nd:YAG
MS-25-248-R/T-Pol	MS-51-248-R/T-Pol	248	10%	300 MW/cm ²	KrF
MS-25-266-R/T-Pol	MS-51-266-R/T-Pol	266	10%	300 MW/cm ²	Nd:YAG
MS-25-325-R/T-Pol	MS-51-325-R/T-Pol	325	10%	300 MW/cm ²	HeCd
MS-25-351-R/T-Pol	MS-51-351-R/T-Pol	351	10%	300 MW/cm ²	XeF
MS-25-355-R/T-Pol	MS-51-355-R/T-Pol	355	10%	300 MW/cm ²	Nd:YAG
MS-25-488-R/T-Pol	MS-51-488-R/T-Pol	488	10%	500 MW/cm ²	Ar
MS-25-514-R/T-Pol	MS-51-514-R/T-Pol	514	10%	500 MW/cm ²	Ar
MS-25-532-R/T-Pol	MS-51-532-R/T-Pol	532	10%	500 MW/cm ²	Nd:YAG
MS-25-633-R/T-Pol	MS-51-633-R/T-Pol	633	10%	500 MW/cm ²	HeNe
MS-25-650-R/T-Pol	MS-51-650-R/T-Pol	650	10%	500 MW/cm ²	Diode
MS-25-670-R/T-Pol	MS-51-670-R/T-Pol	670	10%	500 MW/cm ²	Diode
MS-25-780-R/T-Pol	MS-51-780-R/T-Pol	780	10%	500 MW/cm ²	Diode
MS-25-810-R/T-Pol	MS-51-810-R/T-Pol	810	10%	500 MW/cm ²	Diode
MS-25-830-R/T-Pol	MS-51-830-R/T-Pol	830	10%	500 MW/cm ²	Diode
MS-25-850-R/T-Pol	MS-51-850-R/T-Pol	850	10%	500 MW/cm ²	Diode
MS-25-980-R/T-Pol	MS-51-980-R/T-Pol	980	10%	500 MW/cm ²	Diode
MS-25-1053-R/T-Pol	MS-51-1053-R/T-Pol	1053	10%	500 MW/cm ²	Nd:YLF
MS-25-1064-R/T-Pol	MS-51-1064-R/T-Pol	1064	10%	500 MW/cm ²	Nd:YAG
MS-25-1310-R/T-Pol	MS-51-1310-R/T-Pol	1310	10%	500 MW/cm ²	Diode
MS-25-1319-R/T-Pol	MS-51-1319-R/T-Pol	1319	10%	500 MW/cm ²	Diode
MS-25-1540-R/T-Pol	MS-51-1540-R/T-Pol	1540	10%	500 MW/cm ²	Diode
MS-25-2010-R/T-Pol	MS-51-2010-R/T-Pol	2010	10%	500 MW/cm ²	Ti:YAG
MS-25-2100-R/T-Pol	MS-51-2100-R/T-Pol	2100	10%	500 MW/cm ²	Ho:YAG

* Bandwidth shown is at $\pm 5\%$ of peak

**Power rating based on 20ns pulses, 20Hz

Order/Product Nomenclature



Dimension	Dimension code
1" dia. X 1/4" T	25
2" dia. X 1/4" T	51

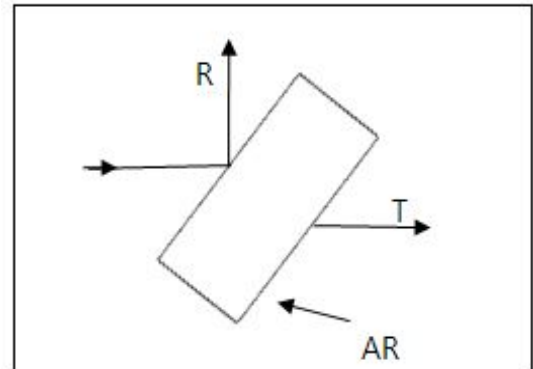
Ordering example : MS-51-780-60/40-P

Broadband Plate Beamsplitters

VIS/NIR

General Specifications

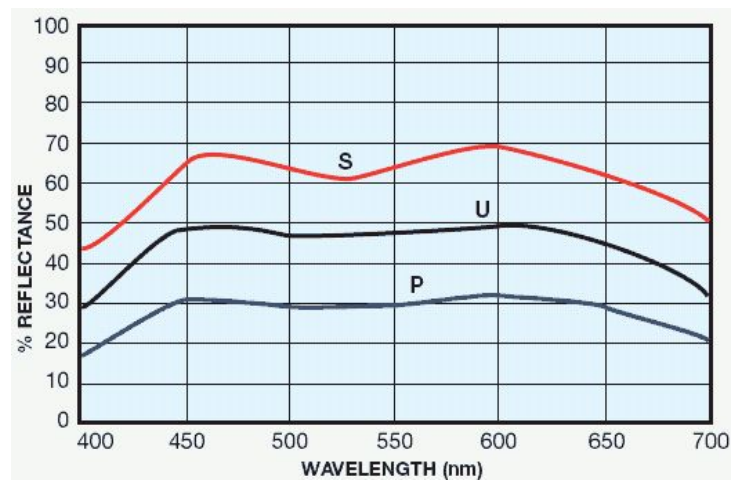
Substrate Material	: UV Fused Silica / BK7
Surface Flatness	: $\lambda/10$ at 633 nm
Difference of s-pol and p-pol	: $\leq 30\%$
BBAR Coating	: $R \leq 0.5\%$
Dimension Tolerance	: $< +0.00 / -0.20$ mm
Damage Threshold	: 100 mJ/cm ² , 20ns, 20Hz at 1064nm
Clear Aperture	: $\geq 85\%$ of diameter



Wavelength (nm)	Wavelength Code
440 ~ 650	VIS
650 ~ 950	VNIR
950 ~ 1250	NIR1
1250 ~ 1650	NIR2

Split

Polarization	Polarization code
P-polarized	P
S-polarized	S
Unpolarized	U



Model Specifications

Part Number	Wavelength range (nm)	Dimension (Diameter x Thickness)	AOI (°)	R/T
BPB-25-VIS-50/50-Pol	440-650	1" x 0.250"	45	50/50
BPB-51-VIS-50/50-Pol	440-650	2" x 0.375"	45	50/50
BPB-25-VNIR-50/50-Pol	650-950	1" x 0.250"	45	50/50
BPB-51-VNIR-50/50-Pol	650-950	2" x 0.375"	45	50/50
BPB-25-NIR1-50/50-Pol	950-1250	1" x 0.250"	45	50/50
BPB-51-NIR1-50/50-Pol	950-1250	2" x 0.375"	45	50/50
BPB-25-NIR2-50/50-Pol	1250-1650	1" x 0.250"	45	50/50
BPB-51-NIR2-50/50-Pol	1250-1650	2" x 0.375"	45	50/50

Order/product Nomenclature

Part code	Dimension code	Wavelength	R/T	Polarization code
BPS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Dimension	Dimension code
1" dia. x 0.250" T	25
2" dia. x 0.375" T	51

Ordering example : BPB-25-VIS-50/50-U