

Beamsplitter Plate

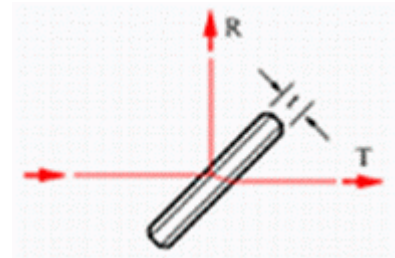
Compared to the broadband beamsplitters, these beamsplitters have different split ratios. These ratios are effective over wide spectral bands. They are all made from precision fused quartz window substrates. They are used as low power applications. You only need slightly change the split ratio, and you will use them at all angles of incidence up to 50 degrees. If you have a need for plate beamsplitters having different characteristics, please contact one of our engineers.



Narrow Band Beamsplitter Plate

Specifications:

- Material: BK7 Grade A Optical Glass
- Dimension Tolerance: $\pm 0.2\text{mm}$
- Thickness tolerance: $\pm 0.2\text{mm}$
- Parallelism: <1 arc minute
- Surface Quality: 40/20
- Surface Accuracy: $\lambda/4$ per 25mm @633nm
- Bevel: $0.25(+0.25/-0.00)\text{mm} \times 45^\circ$
- T/R: $50/50 \pm 5\%$, for random polarization $T=(T_s+T_p)/2$, $R=(R_s+R_p)/2$
- Coating: (45° Incidence Angle)
- S1: Single wavelength partial reflectance
- S2: "V" AR coating



Size	Wavelength	Part No.	Size	Wavelength	Part No.
12.7x12.7x3	488	BP-NB1001	12.7x12.7x3	780	BP-NB1025
25.4x25.4x3	488	BP-NB1002	25.4x25.4x3	780	BP-NB1026
ϕ 25.4x3	488	BP-NB1003	ϕ 25.4x3	780	BP-NB1027
50.8x50.8x3	488	BP-NB1004	50.8x50.8x3	780	BP-NB1028
12.7x12.7x3	514.5	BP-NB1005	12.7x12.7x3	850	BP-NB1029
25.4x25.4x3	514.5	BP-NB1006	25.4x25.4x3	850	BP-NB1030
ϕ 25.4x3	514.5	BP-NB1007	ϕ 25.4x3	850	BP-NB1031
50.8x50.8x3	514.5	BP-NB1008	50.8x50.8x3	850	BP-NB1032
12.7x12.7x3	532	BP-NB1009	12.7x12.7x3	980	BP-NB1033
25.4x25.4x3	532	BP-NB1010	25.4x25.4x3	980	BP-NB1034
ϕ 25.4x3	532	BP-NB1011	ϕ 25.4x3	980	BP-NB1035
50.8x50.8x3	532	BP-NB1012	50.8x50.8x3	980	BP-NB1036
12.7x12.7x3	632.8	BP-NB1013	12.7x12.7x3	1064	BP-NB1037

25.4x25.4x3	632.8	BP-NB1014	25.4x25.4x3	1064	BP-NB1038
φ 25.4x3	632.8	BP-NB1015	φ 25.4x3	1064	BP-NB1039
50.8x50.8x3	632.8	BP-NB1016	50.8x50.8x3	1064	BP-NB1040
12.7x12.7x3	635	BP-NB1017	12.7x12.7x3	1300	BP-NB1041
25.4x25.4x3	635	BP-NB1018	25.4x25.4x3	1300	BP-NB1042
φ 25.4x3	635	BP-NB1019	φ 25.4x3	1300	BP-NB1043
50.8x50.8x3	635	BP-NB1020	50.8x50.8x3	1300	BP-NB1044
12.7x12.7x3	670	BP-NB1021	12.7x12.7x3	1550	BP-NB1045
25.4x25.4x3	670	BP-NB1022	25.4x25.4x3	1550	BP-NB1046
φ 25.4x3	670	BP-NB1023	φ 25.4x3	1550	BP-NB1047
50.8x50.8x3	670	BP-NB1024	50.8x50.8x3	1550	BP-NB1048

Broadband Beamsplitter Plate

Specifications:

- Material: BK7 Grade A Optical Glass
- Dimension Tolerance: $\pm 0.2\text{mm}$
- Thickness tolerance: $\pm 0.2\text{mm}$
- Parallelism: <1 arc min
- Surface Quality: 40/20
- Surface Accuracy: $\lambda/4$ per 25mm @633nm
- Bevel: $0.25(+0.25/-0.00)\text{mm} \times 45^\circ$
- T/R: $50/50 \pm 5\%$, for random polarization $T=(T_s+T_p)/2$, $R=(R_s+R_p)/2$
- Coating: (45° Incidence Angle)
- S1: Broadband partial reflectance
- S2: BBAR coating

Size	Wavelength	Part No.
12.7X12.7X3	450-650	BP-BB1001
25.4X25.4X3	450-650	BP-BB1002
50.8X50.8X3	450-650	BP-BB1003
φ 25.4X3	450-650	BP-BB1004
12.7X12.7X3	650-900	BP-BB1005
25.4X25.4X3	650-900	BP-BB1006
50.8X50.8X3	650-900	BP-BB1007
φ 25.4X3	650-900	BP-BB1008
12.7X12.7X3	900-1200	BP-BB1009

25.4X25.4X3	900-1200	BP-BB1010
50.8X50.8X3	900-1200	BP-BB1011
φ 25.4X3	900-1200	BP-BB1012
12.7X12.7X3	1200-1500	BP-BB1013
25.4X25.4X3	1200-1500	BP-BB1014
50.8X50.8X3	1200-1500	BP-BB1015
φ 25.4X3	1200-1500	BP-BB1016