

## Broadband Dielectric Mirrors

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#### Specifications:

- Material: **BK7**
- Dimension Tolerance: +0.0/-0.2mm
- Thickness tolerance:  $\pm 0.2$ mm
- Clear Aperture: >80%
- Parallelism: <3 arc min
- Surface Quality: 20/10
- Back Surface: Commercial polish
- Surface Accuracy:  $\lambda$  up to  $\lambda/10$  per 25mm @633nm
- Bevel: 0.25(+0.25/-0.00)mm  $\times 45^\circ$
- Laser Damage Threshold: CW: 100kw/cm<sup>2</sup>



$\Phi$ (mm)	T(mm)	Angle of incidence	Wavelength Range (nm)	Reflectance (%)	Part No.
12.7	6.0	0	350-450	99.5	M-BD1001
25.4	6.0	0	350-450	99.5	M-BD1003
50.8	10.0	0	350-450	99.5	M-BD1005
12.7	6.0	45	350-450	99.0	M-BD1006
25.4	6.0	45	350-450	99.0	M-BD1008
50.4	10.0	45	350-450	99.0	M-BD1010
12.7	6.0	0	440-630	99.5	M-BD1011
25.4	6.0	0	440-630	99.5	M-BD1013
50.4	10.0	0	440-630	99.5	M-BD1015
12.7	6.0	45	440-630	99.0	M-BD1016
25.4	6.0	45	440-630	99.0	M-BD1018
50.8	10.0	45	440-630	99.0	M-BD1020
12.7	6.0	0	620-860	99.5	M-BD1021
25.4	6.0	0	620-860	99.5	M-BD1023
50.8	10.0	0	620-860	99.5	M-BD1025
12.7	6.0	45	620-860	99.0	M-BD1026

25.4	6.0	45	620-860	99.0	M-BD1028
50.8	10.0	45	620-860	99.0	M-BD1030
12.7	6.0	0	850-1100	99.5	M-BD1031
25.4	6.0	0	850-1100	99.5	M-BD1033
50.8	10.0	0	850-1100	99.5	M-BD1035
12.7	6.0	45	850-1100	99.0	M-BD1036
25.4	6.0	45	850-1100	99.0	M-BD1038
50.8	10.0	45	850-1100	99.0	M-BD1040