

Dielectric Mirror, ValuMax, Borofloat, 12.7 mm Square, 700-950 nm

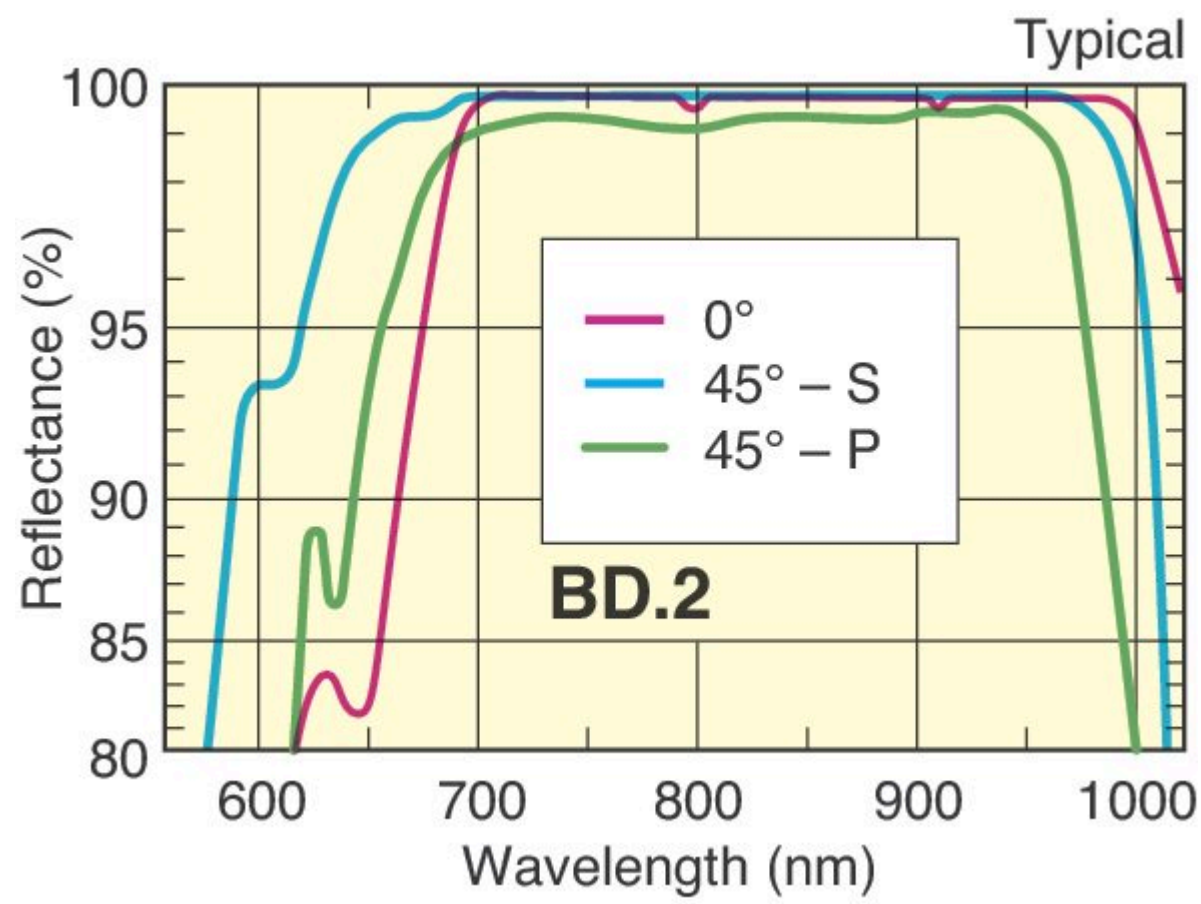


The 05SD520BD.2 is a ValuMax® Dielectric Near Infrared Broadband Mirror 12.7 x 12.7 mm square, with a thickness of 3.1 mm, and flatness of  $\lambda/10$ . By taking advantage of advanced polishing techniques and our high volume manufacturing, ValuMax® mirrors are truly cost effective. This family of mirrors boasts seven standard metallic and dielectric broadband coatings, covering the UV, visible, and IR

^ SHOW LESS

— Specifications

Wavelength Region	NIR
Wavelength Range	700-950 nm
Mirror Shape	Square
Mirror Size	12.7 x 12.7 mm
Thickness	3.1 mm
Material	Borofloat® 33
Coating Type	Broadband Dielectric
Coating Code	BD.2
Surface Quality	60-40 scratch-dig
Surface Flatness	$\lambda/10$ at 632.8 nm
Substrate Number	05SD520
Angle of Incidence	0-45°
Clear Aperture	≥central 80% of diameter
Back Surface	Ground
Reflectivity	$R_{s,avg}>99\%$ , $R_{p,avg}>97\%$ @ 700-950 nm
Damage Threshold	1000 W/cm² CW, 4 J/cm², 10 ns pulses, 10 Hz, at 800 nm
Thickness Tolerance	±0.25 mm
Chamfers	0.25-0.76 mm face width
Chamfers Angle Tolerance	45° ±15°
Cleaning	See How to Clean Optics



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## — Resources & Downloads

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