

NOTES

- DESIGN WAVELENGTH: 1550 nm
- TRANSMITTED BEAM DEVIATION:  $\pm 5$  arcmin
- CLEAR APERTURE:  $\varnothing 10$  mm

BEAMSPLITTER:

- SURFACE QUALITY: 20/10 (S/D)
- EXTINCTION RATIO:  $T_p/T_s > 2000: 1$
- WAVEFRONT ERROR(RMS):  $< \lambda/4$  @ 632.8 nm
- COATING (ALL 4 OUTER OPTICAL SURFACES):  
V Coating@1550 nm, Rabs:  $< 0.25\%$ ,  $0^\circ$  AOI

WAVEPLATE

- SURFACE QUALITY: 20/10 (S/D)
- DELAY:  $\lambda/2$
- DELAY TOLERANCE:  $\pm \lambda/300$
- WAVEFRONT ERROR(RMS):  $< \lambda/8$  @ 632.8 nm
- AR COATING: V Coating@1550 nm, Rabs  $< 0.25\%$ , ( $6^\circ$  AOI, SINGLE SURFACE)

NUMBER	PART DESCRIPTION	MATERIAL
①	MECHANICAL HOUSING	BLACK ANODIZED ALUMINUM
②	PBS24-1550-HP	UV FUSED SILICA
③	1550 nm $\lambda/2$ WAVEPLATE	QUARTZ

