



THE BARE GOLD SURFACE IS FRAGILE AND SHOULD ONLY BE MAINTAINED WITH COMPRESSED AIR

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μ m
2. CLEAR APERTURE: (S2) 90% DIAMETER
3. SURFACE QUALITY: (S2) 40-20 SCRATCH-DIG
4. SURFACE FLATNESS: (S2) $\lambda/20$ AT 10.6 μ m
5. DIAMETER TOLERANCE TOLERANCE: +0.0/0.1mm
6. THICKNESS TOLERANCE: ± 0.2 mm
7. PARALLELISM: < 3 arcmin
8. ELECTROLYTIC PLATING(S2): BARE GOLD
9. REFLECTIVITY: (S2) R $>99\%$ AT $\lambda=10.6\mu\text{m}$, 0° TO 45° AOI
10. DAMAGE THRESHOLD: (S2) 4000 W/mm

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com ϕ 50.8mm CO ₂ LASER LINE MIRROR	
	NAME	DATE		
DRAWN	GG	13/MAR/13	MATERIAL COPPER, OFHC	
APPROVAL	DD	13/MAR/13		
COPYRIGHT © 2013 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			NB2-L01	216.40g
			REV	A