



NOTES

1. MATERIAL: UVFS
2. DIMENSIONAL TOLERANCES:  
 OUTER DIAMETER TOLERANCE:  $+0.00/-0.25$  mm  
 INNER DIAMETER TOLERANCE:  $+0.25/-0.00$  mm  
 THICKNESS TOLERANCE:  $\pm 0.25$  mm
3. OPERATION WAVELENGTH: 650 nm–1050 nm
4. CLEAR APERTURE:  $9.5 \text{ mm} < \text{COATING AREA} < 47$  mm
5. SURFACE FLATNESS:  $< \lambda @ 633 \text{ nm}$
6. SURFACE QUALITY: 60/40
7. PARALLELISM:  $< 3$  arcmin
8. COATING (S1, S2):  
 S1: NiCrFe  
 S2: BBAR 650–1050nm,  $R_{\text{avg}}: < 0.5\%$ ,  $0^\circ$  AOI
9. COATING RADIAL ANGLE:  $270^\circ \pm 5^\circ$
10. OPTICAL DENSITY (OD): 0.02 (TYP)–4.0
11. TERMINAL DENSITY TOLERANCE:  $\pm 5\%$
12. LINEAR DENSITY TOLERANCE:  $\pm 5\%$
13. CHAMFER:  $< 0.2$  mm,  $45^\circ$

DRAWING PROJECTION			<b>LBTEK</b>			
		NAME	DATE	NDFR-50C-4-B		
DRAWN	LTAN	APR./16th/25	CONTINUOUSLY VARIABLE ND FILTER $\phi 50.0$ mm, OD=0.02–4.0@650 nm–1050 nm			
APPROVAL	WCHENG	APR./16th/25	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	8.8 g	1:1	A