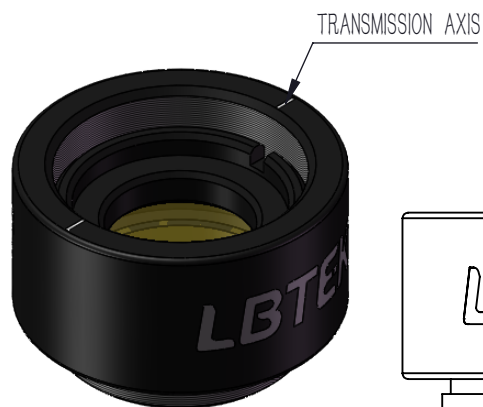
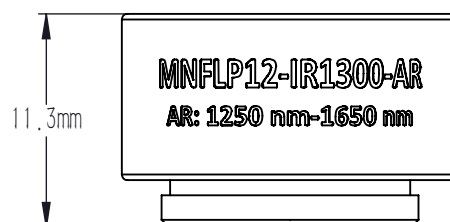
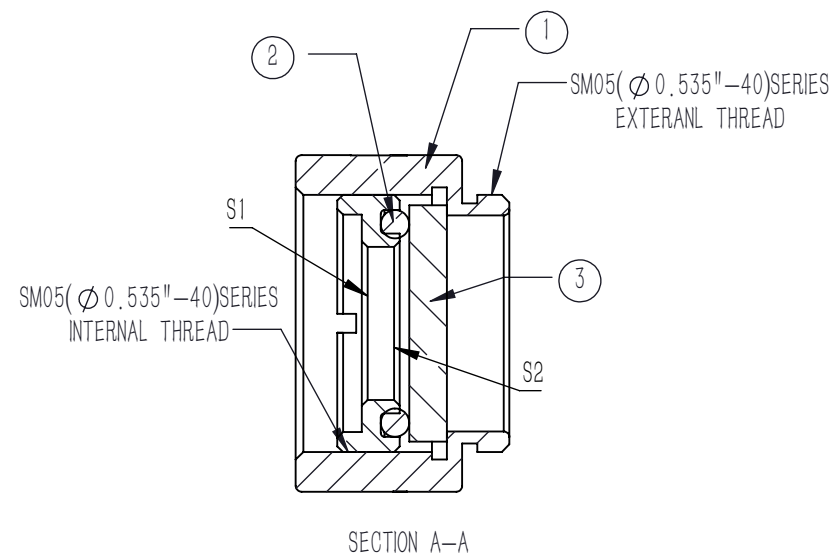
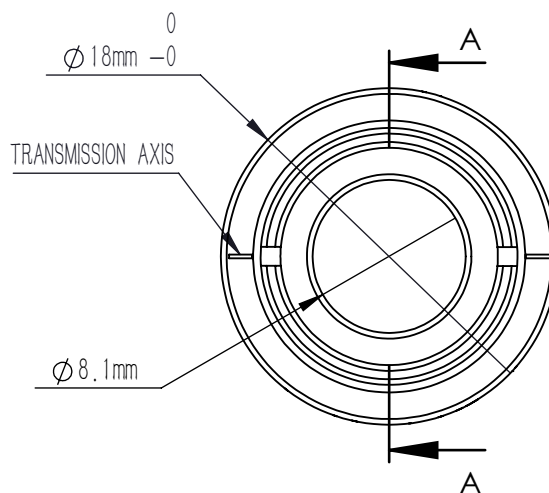


FRONT VIEW



BACK VIEW



SECTION A-A

NUMBER	PART DESCRIPTION	MATERIAL
①	MECHANICAL HOUSING	BLACK ANODIZED ALUMINUM
②	SM05RSF	BLACK ANODIZED ALUMINUM
③	POLARIZER	SILVER NANOPARTICLES & SODA LIME GLASS

NOTES

1. OPERATION WAVELENGTH: 1250-1650 nm
2. AR COATING: $R_{\text{abs}} < 0.2\%$ @ 1250-1650 nm
3. EXTINCTION RATIO:
> 100000:1 @ 1250-1650 nm
4. TRANSMITTANCE:
> 91% @ 1250-1650 nm
5. CLEAR APERTURE: > 90% CA
6. WAVEFRONT ERROR ($\phi 10$ mm): $< \lambda/4$ @ 633 nm
7. SURFACE QUALITY (S/D): 40/20
8. PARALLELISM: < 1 arcmin
9. ACCEPTANCE ANGLE: $\pm 20^\circ$
10. DAMAGE THRESHOLD:
CONTINUOUS BLOCK: 1 W/cm²
CONTINUOUS PASS: 5 W/cm²
11. OPERATING TEMPERATURE: -20° C TO +120° C

DRAWING PROJECTION			LBTEK			
	NAME	DATE	MNFLP12-IR1300-AR			
DRAWN	LTAN	May./15th/26	NANOPARTICLE LINEAR POLARIZER SM05 LENS TUBE, $\phi 8.1$ mm, 1250 nm-1650 nm			
APPROVAL	WCHENG	May./15th/26	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			SILVER NANOPARTICLES & SODA LIME GLASS	4.3 g	5:2	A