



O&E Package Solution

Product Specification

Spec#: C-Lens Cap

AFN: JDFZ-JS-L01

VER: 000



XINXIN GEM TECHNOLOGY GROUP CORP

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1. Product Description

1.1 Specifications : C-Lens Cap

1.2 Drawing No. : HP1005005D

2. Product Specifications

2.1 Substrate Specifications

2.1.1 Material : Shell: Alloy 48 , Window: S-NPH2

2.1.2 Size : Shell: H=6.54 ϕ 1.8 , Lens: ϕ 1.796 X R1.665-12°

2.1.3 Surface quality : Surface quality conforms to MIL-0-13830B S/D=60/40

2.1.4 Soldering : HFJD low-temperature glass 3#(Lead-Free Glass) sintering packaging

2.2 Finished Product Specification

Dimension (mm)	Height(mm)	Depth (mm)	Effective Clear Aperture (mm)
6.54 \pm 0.025	0.67 \pm 0.03	3.84 \pm 0.05	Φ 0.9min

2.3 Spectrum Specifications

AR Coating on both side , R < 0.1% @1525-1565nm;

2.4 Air tightness

Leakage rate < 1×10^{-9} Pa·m³/s He



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3. Appearance Quality

Item	Criteria		Instruments
3.1 Window lens			
Surface particulate contamination/Scratch (*)	light transmission area ($\phi 0.45/0.9$)	40/20	Microscope 16X
	Non-transparent area	60/40	
Other (*)	Edge chipping has no impurities, water marks and other defects		Microscope 16X
3.2 Brazed glass			
Brazed glass spills	Width of lens soldering $\leq 0.1\text{mm}$		Microscope 16X
Poor sealing or other brazing areas	No obvious impurities		Microscope 16X
Slurry appearance	The arc is smooth and consistent, there is no foreign matter, and the tube shell and lens are climbing.		Microscope 16X
3.3 Metal shell			
Scratch (*)	No scratches on the exposed substrate (folded at an angle of 30-60 degrees), no cracks.		Microscope 16X
Buff	Maximum 0.02 mm		Microscope 16X
surface	The color is uniform, and the shell color has no discoloration (folded at an angle of 30-60 degrees)		Microscope 16X
plating layer	No stains, rust, no bubbling		Microscope 16X
3.4 Size			
Lens protrusion dimensions	0.67 \pm 0.03	(2% Sampling > 5psc/per lot)	Dial thickness gauges
Lens angle	<1.5°	(2% Sampling > 5psc/per lot)	Imager



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4. Reliability test

Item	Methods	Criteria	Sampling	Instruments
Solderability	Soldering in high temperature 500°C. After cooling down, using thrust meter to detect thrust.	Trust of welding > 20kg/mm ²	Per lot	Thrust meter
High temperature boiling	100°C/0.095-0.105Mpa/10H	Air Tightness <1×10 ⁻⁹ Pa·m ³ /s He	Per lot	High temperature cooking equipment Leak detector

5. Package

- 5.1 The product packaging box uses anti-static materials to ensure the cleanliness of the packaging box and ensure that the materials will not be polluted and corroded.
- 5.2 The boxes are packed into clean bags, filled with desiccant and vacuum baled.
- 5.3 The vacuum packaging bag is attached with a label, which contains: Lot No., product name, quantity, delivery date, and company name.
- 5.4 The packing box needs to have flexible materials such as foam to ensure that the vacuum of the packing box does not fail and is not damp.

6. Shipping

- 6.1 The products should be packed in a sturdy box. The box should meet fragile goods transport requirements.
- 6.2 Avoid direct exposure to the rain, snow and mechanical collision during transportation.
- 6.3 Inspection reports should be packed in the packing box and the report should meet the requirements according to the drawings.



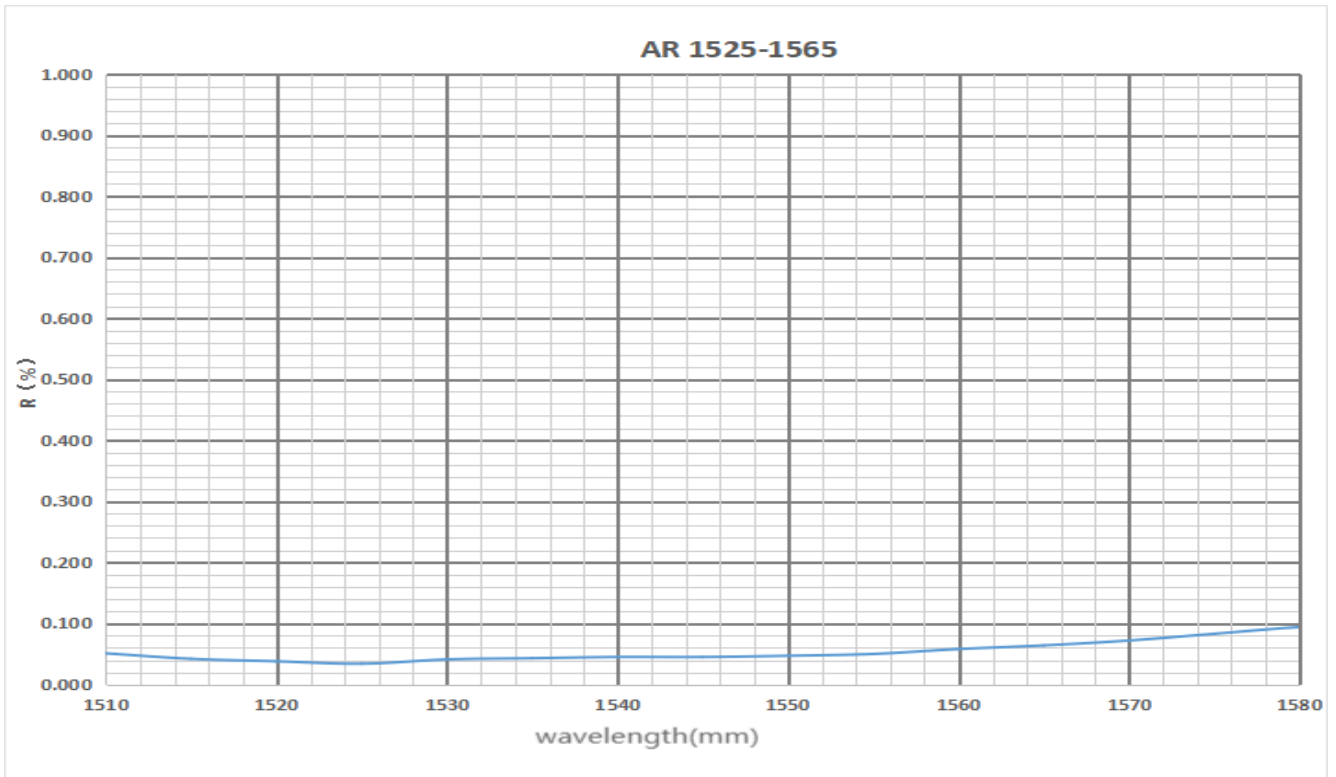
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7. Spectrum



8.Drawing No. : HP1005005D

