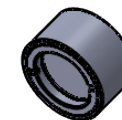


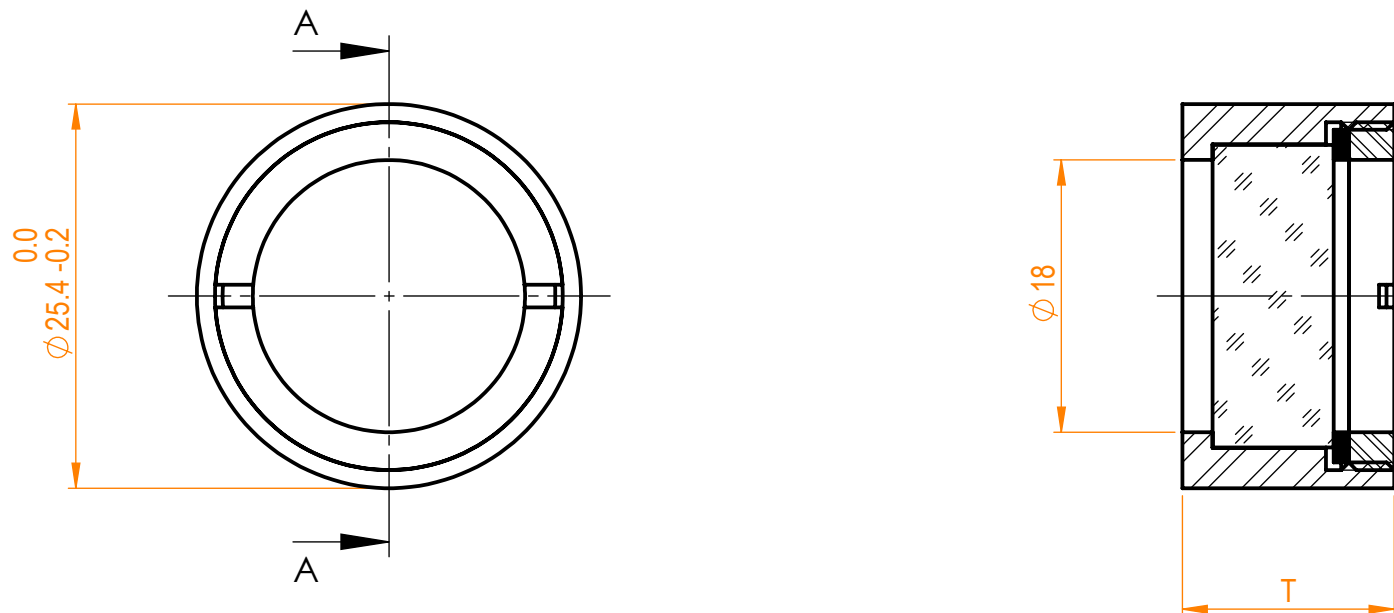
# NOTES:

1. Material: Single crystal quartz (rotator),  
Black anodized aluminium (housing);
2. Thickness depends on wavelength and rotation angle;
3. All dimensions are in mm;
4. Protective chamfers: 0.5 mm x 45°;
5. Parallelism: <10 arcsec;
6. Opticsl axis: normal to faces S1, S2 of rotation;
7. Rotation angle of polarization plane: 45° at @633nm;
8. Laser damage threshold: 5 J/cm<sup>2</sup> at @1064nm, 10nsec pulses;



Isometric view 1:2

A-A



Specifications are subject to change without notice  
Dimensions are for reference only

## Parameters

|                  | S1                  | S2                  |
|------------------|---------------------|---------------------|
| Shape            | Plano               | Plano               |
| Surface flatness | $\lambda/10$ @633nm | $\lambda/10$ @633nm |
| Surface quality  | 20-10 s/d           | 20-10 s/d           |
| Clear aperture   | >90%                | >90%                |
| Coating          | AR<0.2%, AOI=0°     | AR<0.2%, AOI=0°     |



PP rotator, D=25.4 mm

| Proprietary                                                                                                                                                       |          | Name | Date       | Part number | Rev. | Scale |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------|-------------|------|-------|
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|                                                                                                                                                                   | Drawn    | V.S. | 2021.04.28 |             |      |       |