NOTES:
1. SUBSTRATE:
   Crystal Quartz and MgF2
2. COATING (APPLY ACROSS COATING APERTURE):
   S1 & S2: R(AVG) <0.75% @ 650 - 1100nm
   DAMAGE THRESHOLD,
   PULSED: >5 J/cm², 10ns @ 10Hz @ 1064nm
3. SURFACE S1 TO BE PARALLEL TO SURFACE S2 TO WITHIN <10 ARCSEC
4. RETARDANCE: \( \lambda/4 \pm \lambda/100 \) @ 20°C
5. DESIGN WAVELENGTH: 650 - 1100 nm
6. TRANSMITTED WAVEFRONT: <\( \lambda/4 \) @ 632nm
7. CONSTRUCTION: Crystalline
8. ROHS: COMPLIANT

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

<table>
<thead>
<tr>
<th></th>
<th>S1</th>
<th>S2</th>
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<tbody>
<tr>
<td>SURFACE QUALITY</td>
<td>40-20</td>
<td>40-20</td>
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<tr>
<td>CLEAR APERTURE</td>
<td>&gt; Ø8</td>
<td>&gt; Ø8</td>
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</tbody>
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Edmund Optics®

12.7mm Dia, 650 - 1100nm, \( \lambda/4 \) Achromatic Waveplate

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