

NOTES:

1. SUBSTRATE: Silicon (Si)
2. SURFACE S2 TO BE PARALLEL TO SURFACE S1 TO WITHIN 3 ARCMIN
3. ENVIRONMENTAL REQUIREMENTS:

S1: DLC COATING

ADHESION: PER MIL-C-48497C
 ABRASION: SEVERE PER MIL-C-48497C
 HUMIDITY: 24 HOURS PER MIL-C-48497C
 SALT SOLUBILITY: ≥24 HOURS IMMERSION PER MIL-C-675C
 SALT SPRAY: ≥72 HOURS PER MIL-C-675
 SOLUBILITY AND CLEANING: PER MIL-C-48497
 TEMPERATURE (°F): -80 to +160 PER MIL-C-48497C
 WIPER: ≥1,000 WIPES OF SAND/SLURRY PER TS-1888

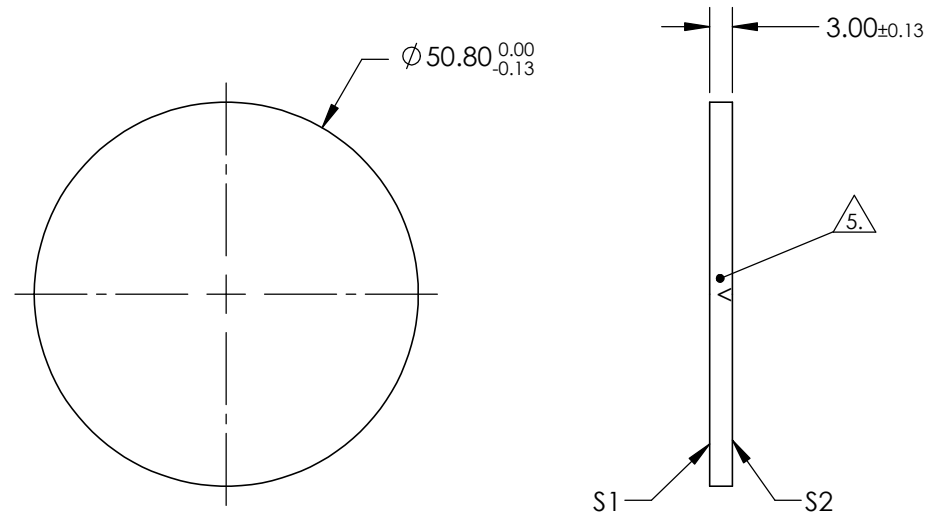
SURFACE S2: BBAR COATING

ADHESION: PER MIL-C-48497C
 ABRASION: MODERATE PER MIL-C-48497C
 HUMIDITY: 24 HOURS PER MIL-C-48497C
 SOLUBILITY AND CLEANING: PER MIL-C-48497
 TEMPERATURE (°F): -80 to +160 PER MIL-C-48497C

4. REFLECTION PERFORMANCE ACROSS CLEAR APERTURE
 S2: R(AVG) ≤0.5% FROM 3.0 - 5.0µm


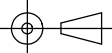


ARROW POINTS TOWARDS S1 WITH DLC COATING



**FOR INFORMATION ONLY:
 DO NOT MANUFACTURE
 PARTS TO THIS DRAWING**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 DIMENSIONS ARE FOR REFERENCE ONLY

| | S1 | S2 |  Edmund Optics® | | | | | | |
|------------------|---------------------|---------------------|---|----|--------|-------|--|--|--------------|
| SHAPE | PLANO | PLANO | | | | | THIRD ANGLE PROJECTION  | | TITLE |
| SURFACE FLATNESS | λ/10 @ 10.6µm | λ/10 @ 10.6µm | ALL DIMS IN | mm | DWG NO | 16817 | | | SHEET 1 OF 1 |
| SURFACE QUALITY | 40-20 | 40-20 | | | | | | | |
| CLEAR APERTURE | Ø43.18 | Ø43.18 | | | | | | | |
| BEVEL | PROTECTED AS NEEDED | PROTECTED AS NEEDED | | | | | | | |