

NOTES:

1. SUBSTRATE: Germanium (Ge)
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 WIPE OF SAND/SLURRY PER TS-1888

S2: BBAR COATING

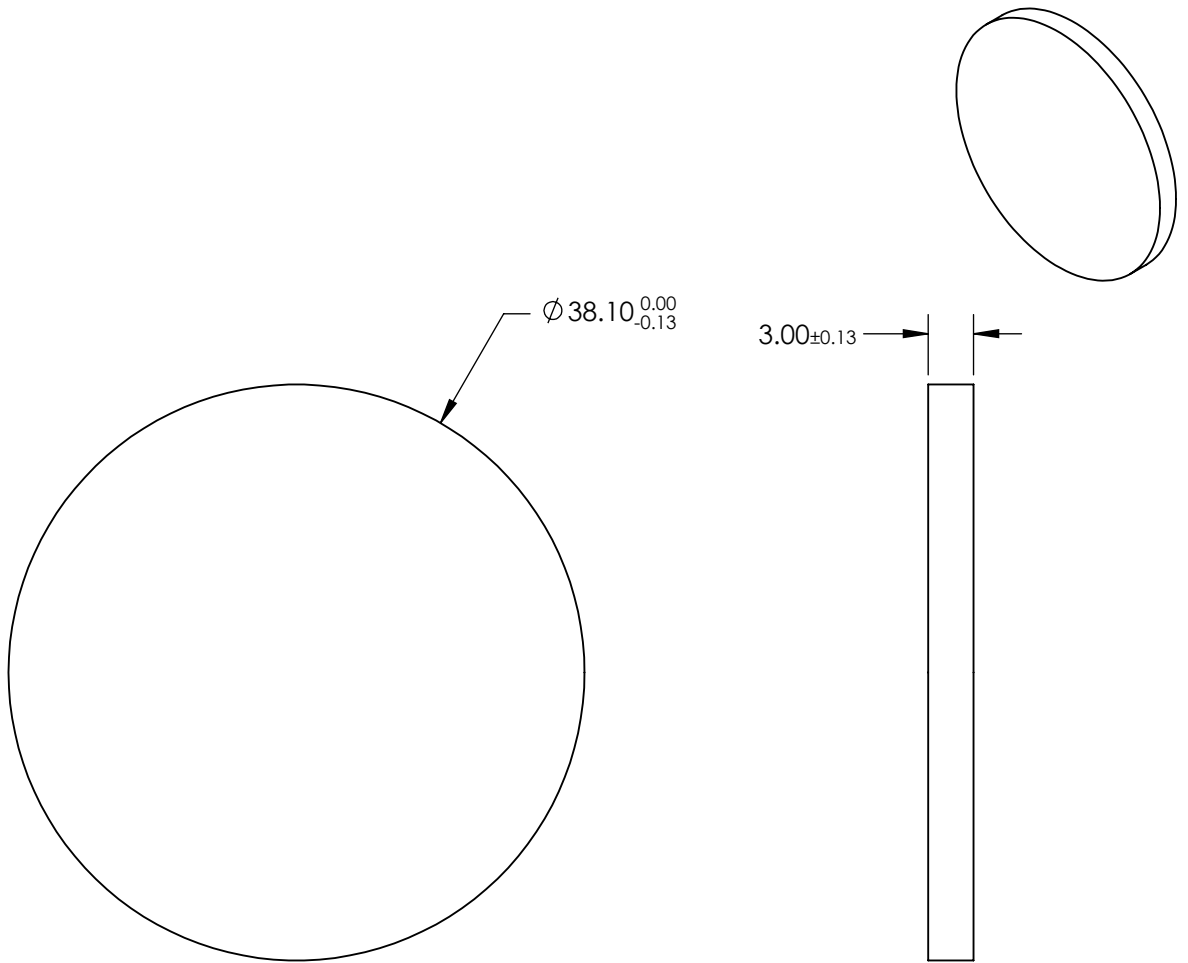
ADHESION: PER MIL-C-48497C
ABRASION: MODERATE PER MIL-C-48497C
HUMIDITY: 24 HOURS PER MIL-C-48497C
SOLUBILITY AND CLEANING: PER MIL-C-48497
TEMPERATURE (°F): -80 to +160 PER MIL-C-48497C

4. TRANSMISSION PERFORMANCE THROUGH WINDOW

T(AVG) ≥90.0% @ 8 - 12μm


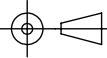
T(MIN) ≥80.0% @ 8 - 12μm

5. 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				
SURFACE QUALITY	40-20	40-20		TITLE	38.1mm Dia., 3mm Thick, 8-12μm AR Coated & DLC Coated, ISP Optics Germanium (Ge) Window	
SURFACE FLATNESS	λ/10 @ 10.6μm	λ/10 @ 10.6μm				
CLEAR APERTURE	Ø32.38	Ø32.38				
BEVEL	PROTECTED AS NEEDED	PROTECTED AS NEEDED				
			ALL DIMS IN	mm	DWG NO	24578
						SHEET 2 OF 2