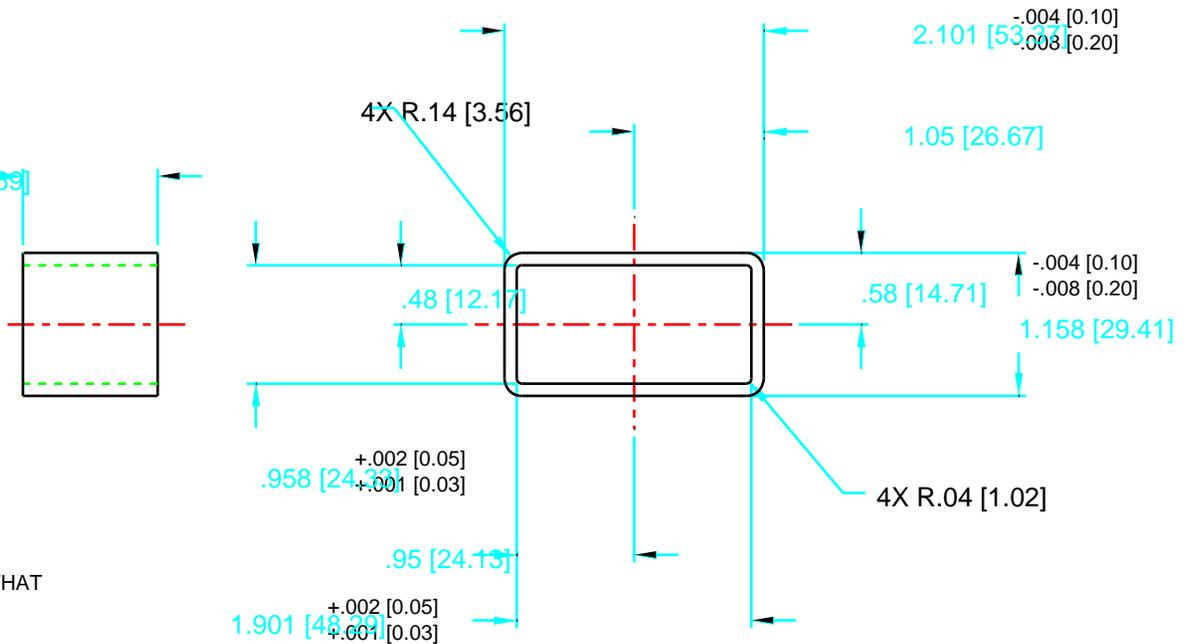


NOTES:

- THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
- WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
 - CIMCOOL 5 STAR 49
 - TRIM SOL
- FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
- CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1×10^{-9} TORR CAN BE ACHIEVED
- HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS
- DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY
- DIMENSIONS IN () ARE FOR REF. ONLY
- ALL SURFACES MUST BE MACHINED FOR CLEAN UP
- DO NOT BREAK SHARP EDGES
- WELD SHRINKAGE SHALL BE ADDED TO THIS LENGTH

1.090 [27.69]
SEE NOTE #10



SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS .X - .1 [2.5] .XX - .01 [0.25] .XXX - .005 [0.13] ANGULAR - 0°30' SURFACE ROUGHNESS 125 ✓ REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5 DO NOT SCALE DRAWING		LOG NUMBER M7410105-00	THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY	
DRAWN BY MUSCIA	DATE 11/18/98	CHIEF DESIGN ENGINEER D. SHU	DATE 6/3/99	TITLE ADVANCED PHOTON SOURCE M7-41 DUEL BEAM FIXED MASK FOR 4-ID-A RECTANGULAR TUBE
CHECKED BY J. CHANG	DATE 5/13/99	GP LEADER T.M.KUZAY	DATE 6/7/99	
DESIGNER CHANG/MUSCIA	DATE 11/18/98	PROJECT MGR.	DATE	
RESPONSIBLE ENGINEER J. CHANG	DATE 5/13/99	APPROVED/RELEASED	DATE	
MATERIAL 304 STAINLESS STEEL		SCALE 1:1	SIZE B	DRAWING NUMBER M7-410105-00
		SHEET 14		