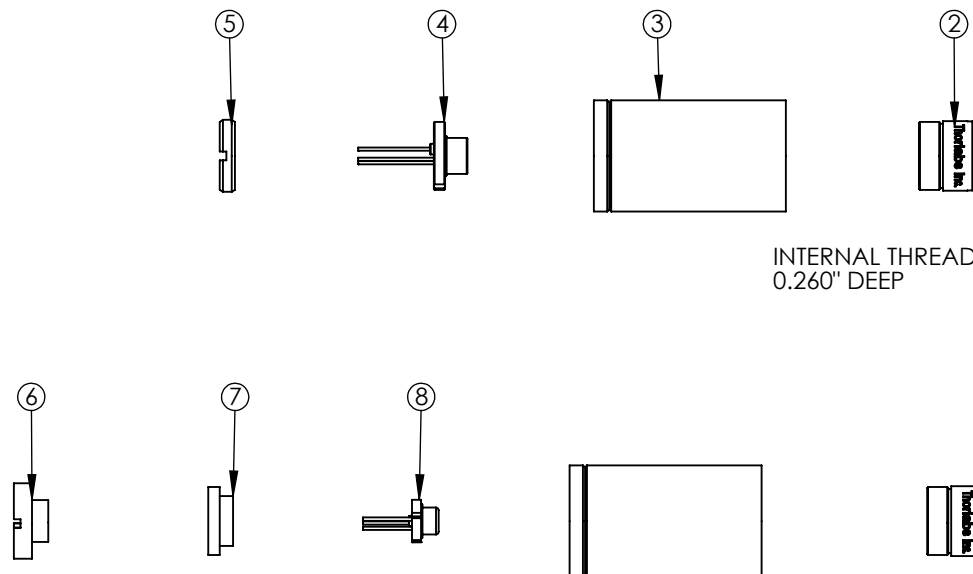
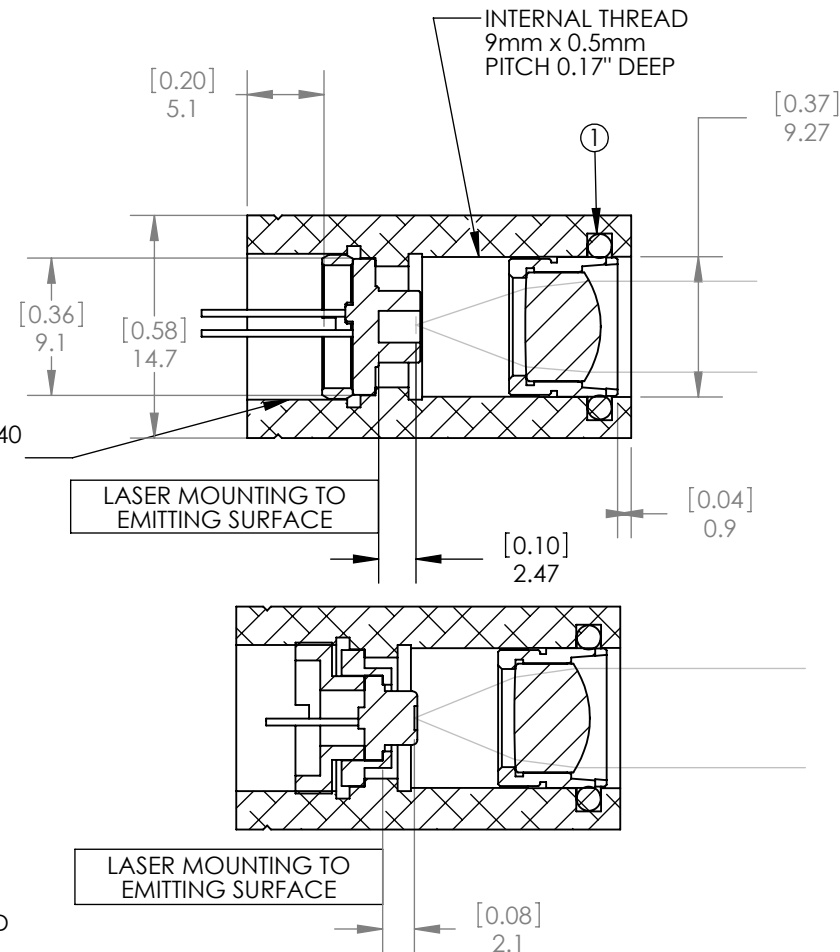


NUMBER	PART	MATERIAL
①	O-RING (PROVIDES FRICTION FIT)	RUBBER
②	f=11.0mm NA=0.26 AR 650-1050nm MOUNTED ASPHERIC LENS	-
③	COLLIMATION TUBE	6061-T6 ALUMINUM
④	9.0mm LASER DIODE (SOLD SEPARATELY)	-
⑤	RETAINING RING FOR 9.0mm DIODE	6061-T6 ALUMINUM
⑥	RETAINING RING FOR 5.6mm DIODE	6061-T6 ALUMINUM
⑦	ADAPTER FOR 5.6mm DIODE	6061-T6 ALUMINUM
⑧	5.6mm LASER DIODE (SOLD SEPARATELY)	-



INTERNAL THREAD 13/32-40
0.260" DEEP



NOTES/SPECIFICATIONS:

1. LENS CELL HAS $\pm 1.0\text{mm}$ ADJUSTMENT RANGE FROM POSITION SHOWN, WHICH WAS DESIGNED FOR TOSHIBA STANDARD 9mm LASER PACKAGE
2. LT110A DESIGN REQUIRES THE EMITTING SURFACE OF THE LASER TO BE BETWEEN 1.7-3.2mm FROM THE $\varnothing 9\text{mm}$ MOUNTING FLANGE OF THE LASER
3. USE THORLABS SPANNER WRENCH SPW301 FOR RETAINING RINGS, AS WELL AS LENS
4. PRINCIPLE PLANE OF LENS IS NOMINALLY 8.7mm FROM LASER MOUNTING SURFACE

ALL DIMENSIONS ARE IN $\frac{[in]}{mm}$

THIS DRAWING IS FOR INFORMATION ONLY
NOT INTENDED FOR MANUFACTURING

	NAME	DATE
DRAWN	MG	03/09/2010
ENG APPR.	DJ	03/22/2010
MFG APPR.	DD	04/14/2010

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THORLABS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THORLABS, INC. IS PROHIBITED.

THORLABS INC. PO BOX 366
NEWTON NJ

TITLE: LT220P-B COLLIMATION TUBE

MATERIAL: SEE TABLE SIZE A REV. C

SCALE: 2:1 SHEET 1 OF 1

DWG. NO. 0895-E01 PART NO. LT220P-B