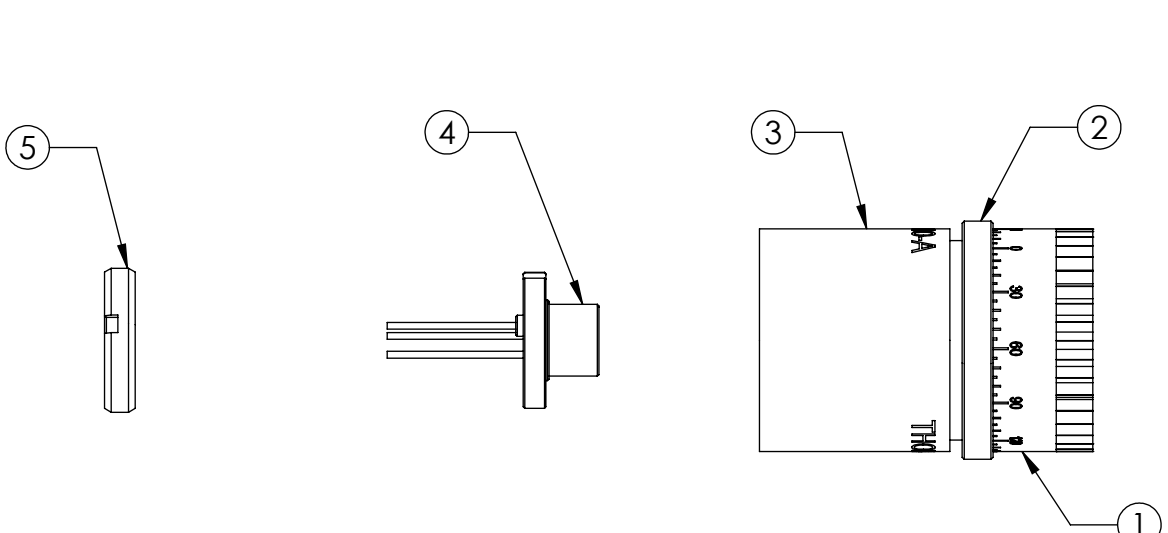
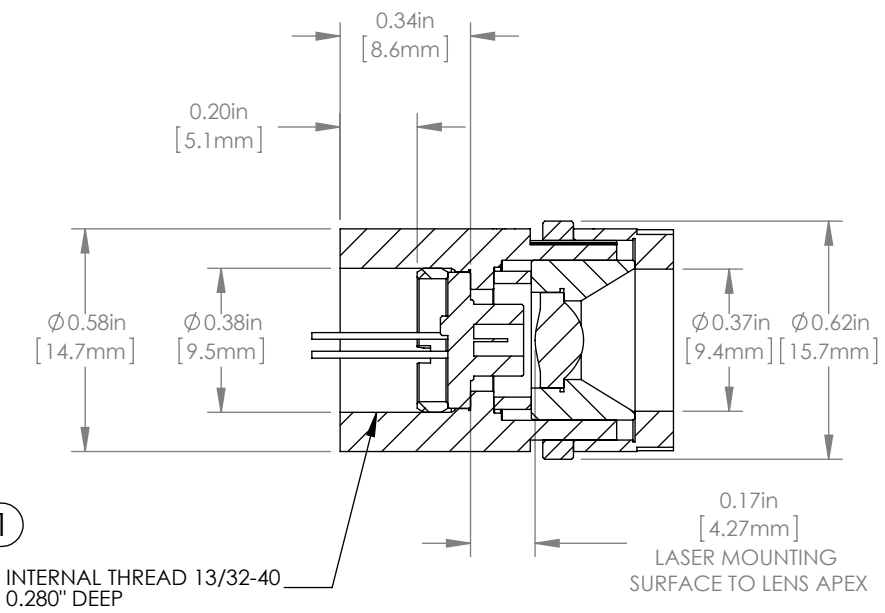
ITEM NO.	DESCRIPTION	MATERIAL
1	GRADUATED CAP ACTUATES THE LENS ALONG THE OPTICAL AXIS	7075-T7 ALUMINUM
2	LOCKING RETAINING RING FOR FIXING LENS POSITION	7075-T7 ALUMINUM
3	DIODE COLLIMATOR ASSEMBLY	7075-T7 ALUMINUM
4	9.0mm LASER DIODE (SOLD SEPARATLEY)	-
5	RETAINING RING FOR 9.0mm DIODE	6061-T6 ALUMINUM
-	RETAINING RING FOR 5.6mm DIODE (NOT SHOWN IN THIS CONFIGURATION)	6061-T6 ALUMINUM
-	ADAPTER FOR 5.6mm DIODE (NOT SHOWN IN THIS CONFIGURATION)	6061-T6 ALUMINUM





1. MINIMUM DISTANCE FROM LASER MOUNTING SURFACE TO LENS APEX: 4.27mm
2. LENS TRAVEL RANGE: +2.5mm FROM POSITION SHOWN
3. USE THORLABS SPANNER WRENCH SPW301 FOR RETAINING RING
4. PRINCIPAL PLANE OF ASPHERE IS NOMINALLY 5.5 mm FROM LASER MOUNTING SURFACE
5. EACH TICK MARK ON THE GRADUATED CAP INDICATES A 5° ROTATION OR 5.5µm OF LINEAR TRAVEL FOR THE LENS
   1. 30°= 33 µm
   2. 180°= 198 µm
6. CONSULT ZEMAX FILE FOR COMPATIBALITY WITH VARIOUS LASER DIODE

SHEET 1 OF 2: FOR 5.6mm LASER DIODE CONFIGURATION SEE SHEET 2

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	NE	14/JAN/2015
APPROVAL	WD	21/JAN/2015

VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

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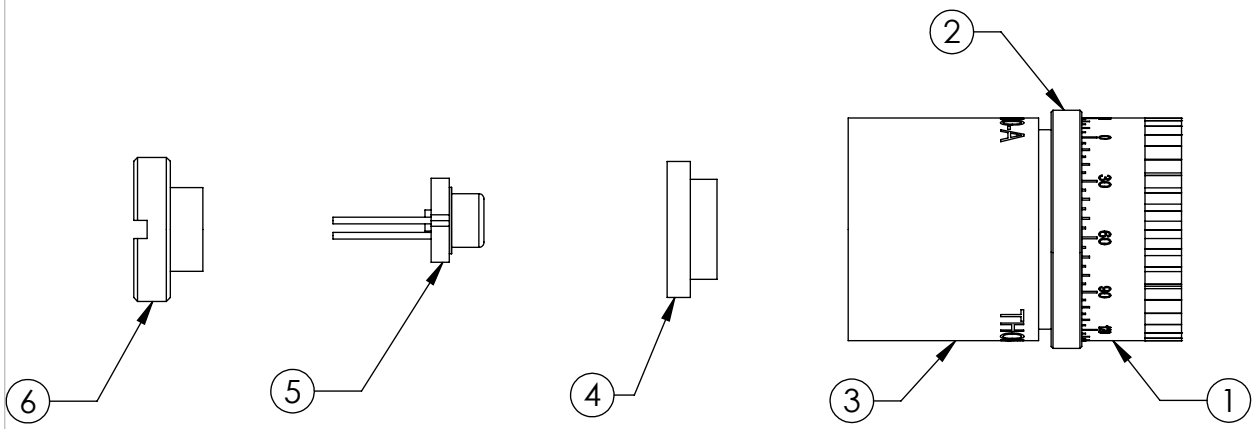
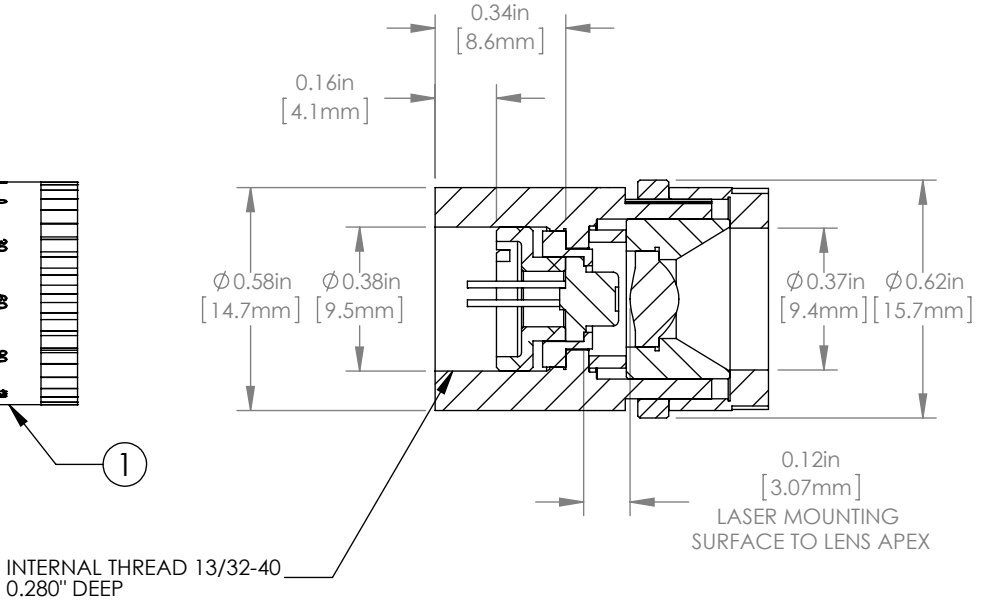
ADJUSTIBLE DIODE COLLIMATOR WITH -A COATED LENS

MATERIAL	REV
SEE TABLE	A

ITEM #	APPROX WEIGHT
THLTN330-A	7.0 g

ITEM NO.	DESCRIPTION	MATERIAL
1	GRADUATED CAP ACTUATES THE LENS ALONG THE OPTICAL AXIS	7075-T7 ALUMINUM
2	LOCKING RETAINING RING FOR FIXING LENS POSITION	7075-T7 ALUMINUM
3	DIODE COLLIMATOR ASSEMBLY	7075-T7 ALUMINUM
4	ADAPTER FOR 5.6mm DIODE	6061-T6 ALUMINUM
5	5.6mm DIODE (SOLD SEPARATELY)	-
6	RETAINING RING FOR 5.6mm DIODE	6061-T6 ALUMINUM
-	RETAINING RING FOR 9.0mm DIODE (NOT SHOWN IN THIS CONFIGURATION)	6061-T6 ALUMINUM





1. MINIMUM DISTANCE FROM LASER MOUNTING SURFACE TO LENS APEX: 3.07mm
2. LENS TRAVEL RANGE: +2.5mm FROM POSITION SHOWN
3. USE THORLABS SPANNER WRENCH SPW301 FOR RETAINING RING
4. PRINCIPAL PLANE OF ASPHERE IS NOMINALLY 4.3 mm FROM LASER MOUNTING SURFACE
5. EACH TICK MARK ON THE GRADUATED CAP INDICATES A 5° ROTATION OR 5.5µm OF LINEAR TRAVEL FOR THE LENS
   1. 30°= 33 µm
   2. 180°= 198 µm
6. CONSULT ZEMAX FILE FOR COMPATIBALITY WITH VARIOUS LASER DIODE

SHEET 2 OF 2: FOR 9.0mm LASER DIODE CONFIGURATION SEE SHEET 1

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	NE	14/JAN/2015
APPROVAL	WD	21/JAN/2015

VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

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ADJUSTIBLE DIODE COLLIMATOR WITH -A COATED LENS

MATERIAL	REV
SEE TABLE	A

ITEM #	APPROX WEIGHT
THLTN330-A	7.0 g