

- GENERAL NOTES:
1. SPECIFICATIONS HERE APPLY UNLESS STATED OTHERWISE
  2. MATERIAL: 6061-T651 ALUMINUM
  3. SURFACE FINISH: ANODIZED BLACK (MIL-A-8625, TYPE II, CLASS 2)
  4. UNITS: MILLIMETERS
  5. GENERAL TOLERANCE OF 0.14MM APPLIES AS PROFILE OF A SURFACE  
FEATURE CONTROL TO SURFACES SPECIFIED IN ATTACHED CAD  
MODEL, EXCLUDING HOLE AND THREAD DEPTH. GENERAL TOLERANCE  
FOR HOLE AND THREAD DEPTH IS 0.3MM. GENERAL TOLERANCES  
APPLY UNLESS OTHERWISE SPECIFIED.
  6. SURFACE ROUGHNESS (RA): 1.6  $\mu$ m
  7. LINEAR TOLERANCE: X.X  $\pm$  0.5MM, X.XX  $\pm$  0.1MM
  8. ANGULAR TOLERANCE: X  $\pm$  2°, X.X  $\pm$  0.5°, X.XX  $\pm$  0.1°
  9. ANGULAR TOLERANCE OF 0.05° ON ALL IMPLIED SQUARE FEATURES
  10. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994
  11. DEBUR AND BREAK ALL SHARP EDGES, MAX 0.2 MM
  12. PARTS ARE TO BE CLEAN AND FREE OF OIL AND OTHER CONTAMINANTS
  13. DIMENSIONS AND THREADED HOLE CLASS OF FIT APPLY AFTER  
CHEMICALLY APPLIED FINISHES IF APPLICABLE
  14. THREADED HOLES MUST NOT BE USED FOR ANODIZATION RACKING

NOTE: THIS SURFACE IS AN INDEPENDENT  
FEATURE THAT REMOVES MATERIAL  
ADJACENT TO THE CENTRAL CAVITY.  
SAME IS TRUE FOR SIMILAR SURFACE ON  
OPPOSITE SIDE OF PART.

\*\*\*NON-RECESSED FACES

DETAIL A  
SCALE 2 : 1

NOTE: THREADS MUST  
EXTEND TO <1MM OF  
BOTTOM

M40.9 x 0.7 - 6H

$\nabla$ 6.0

$\Phi$ 0.1|A|B|C

4X  
M2x0.4 - 6H

$\nabla$ 6.0

$\Phi$ 0.1|A|B|C

$\Phi$ 2.00  $\nabla$ 8.00

$\Phi$ 0.1|A|B|C

M2x0.4 - 6H

$\Phi$ 0.1|A|B|C

45.00°

$\nabla$ 0.04  
 $\nabla$ 0.02

NOTE: THIS FEATURE CONTROL APPLIES  
TO 3 NON-RECESSED FACES (SEE NOTE  
"\*\*\*NON-RECESSED FACES"). THESE  
FACES ARE TREATED AS A CONTINUOUS  
FEATURE.

NOTE: THIS SURFACE IS AN INDEPENDENT  
FEATURE THAT REMOVES MATERIAL  
ADJACENT TO THE CENTRAL BORE

2X  
M2x0.4 - 6H

$\nabla$ 5.0

$\Phi$ 0.1|A|B|C

$\Phi$ 3.08  
3.01

B

3.08  
3.01

C

3X  
M2x0.4 - 6H

$\nabla$ 4.5

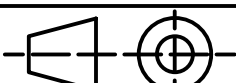
$\Phi$ 0.1|A|B|C

OSU - IB

DRAWN  
James Strother

DATE  
10/17/2017

Dichroic 40x62x5 Mount



SIZE  
C

SCALE  
1:1

REV  
2

SHEET  
1 OF 1