

| Lens Specification   |   |
|--|---|
| Focal length   | 105.0mm (at $\lambda = 250\text{nm}$ )    |
| Back focal length  | 106.98 mm                                 |
| Mechanical back  | 13.53 mm                                  |
| Aperture ratio   | F/4.0 ~ F/22                              |
| Image size   | $\phi 18.0\text{mm}$ (max $\phi 43.266$ ) |
| Magnification  |   |
| Distortion   | -0.11 %                                   |
| Angle of view at INF.  |   |
| Vertical   |   |
| Horizontal   |   |
| Diagonal   | $9.8^\circ$ ( $23.4^\circ$ )              |
| Resolution   |   |
| Center   |   |
| Corner   |   |
| Pupil positions  |   |
| Entrance pupil   | 15.71 mm (Front lens)                     |
| Exit pupil   | -114.49 mm (Image plane)                  |
| Principal points   |   |
| Object space   | 24.42 mm (Front lens)                     |
| Image space  | -105.0 mm (Image plane)                   |
| Coating ( $\lambda = 250\text{nm}$ )                           |   |
| All surfaces are antireflection coated.<br>MgF2 single coated. |   |

Note:

- Mini Working Dist.  
4.16.5mm (at  $\lambda = 250\text{nm}$ )  
527.5mm (at  $\lambda = 300\text{nm}$ )  
615.8mm (at  $\lambda = 350\text{nm}$ )  
673.1mm (at  $\lambda = 390\text{nm}$ )

2. Mount

C-Mount & T-Mount

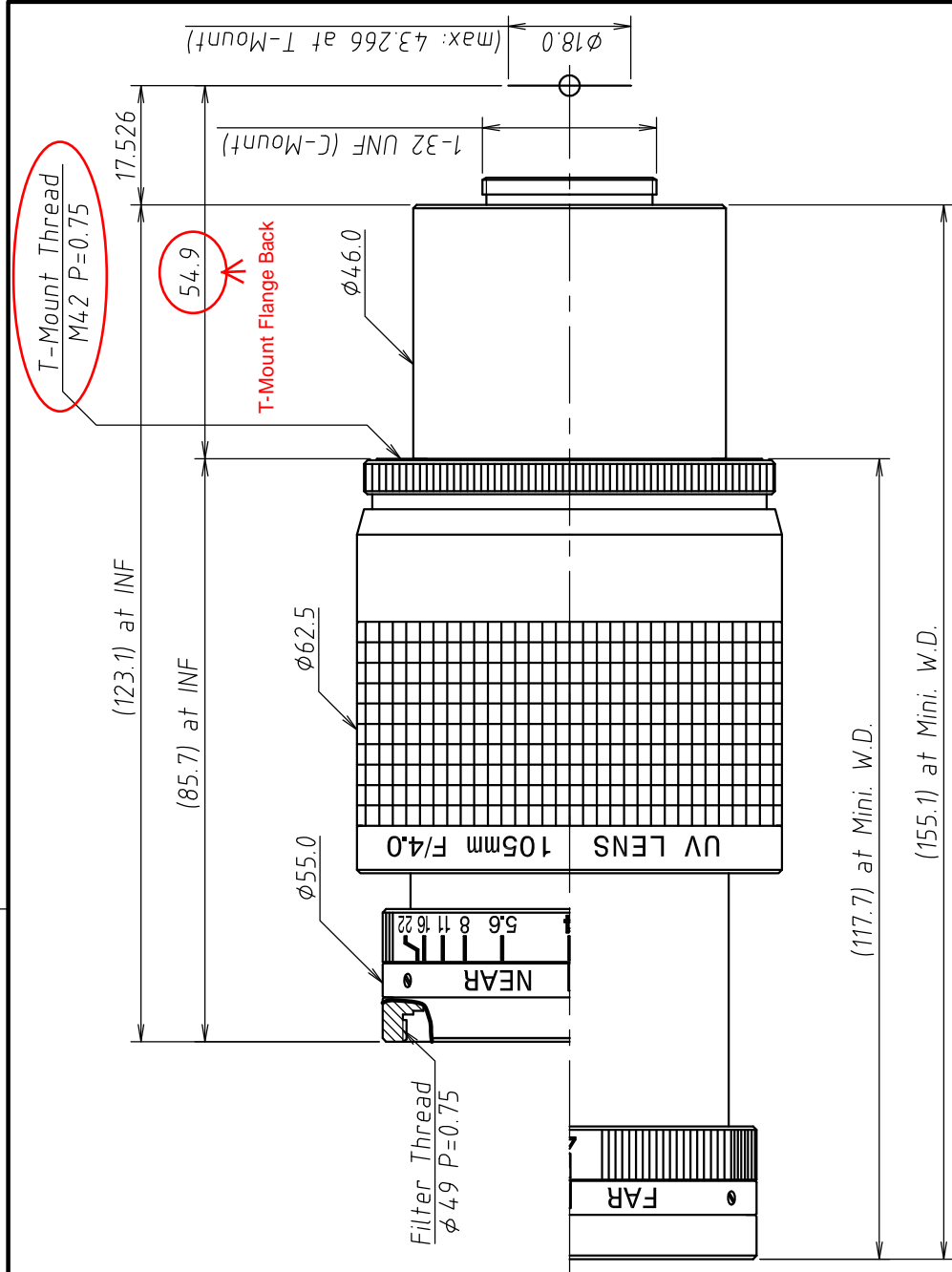
3. Aperture Size

Front lens :  $\phi 27.0$

Rear lens :  $\phi 27.0$



EHD imaging GmbH  
Zum Remplatz 15  
49401 Damme/Germany  
Phone: +49-5491-2090  
Fax: +49-5491-2098  
web: www.ehd.de  
e-mail: info@ehdimageing.de



|         |  |                   |  |         |  |         |  |
|---------|--|-------------------|--|---------|--|---------|--|
| TITLE   |  | 105mm F/4 UV LENS |  | DRAWN   |  | M.M.    |  |
| P/N.O.  |  | UV1054B           |  | CHECKED |  | H.K.    |  |
| Mfg.NO. |  | VC780A-Y01-1      |  | U01     |  | UV1054B |  |
| SHEET   |  | 1 OF 1            |  | REV     |  | B       |  |