

# DATA SHEET

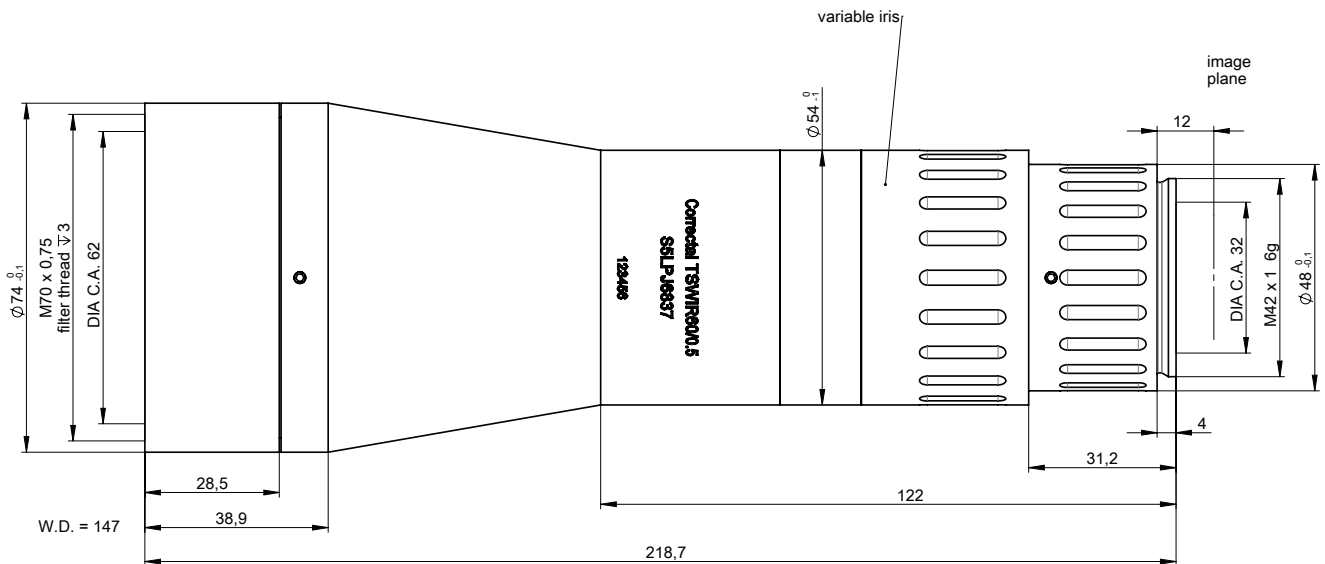
## S5LPJ6837

Correctal TSWIR60/0.5  
900-1700nm

- standard telecentric lenses
- bi-telecentric
- with M42x1
- variable iris (manual)



### outline drawing



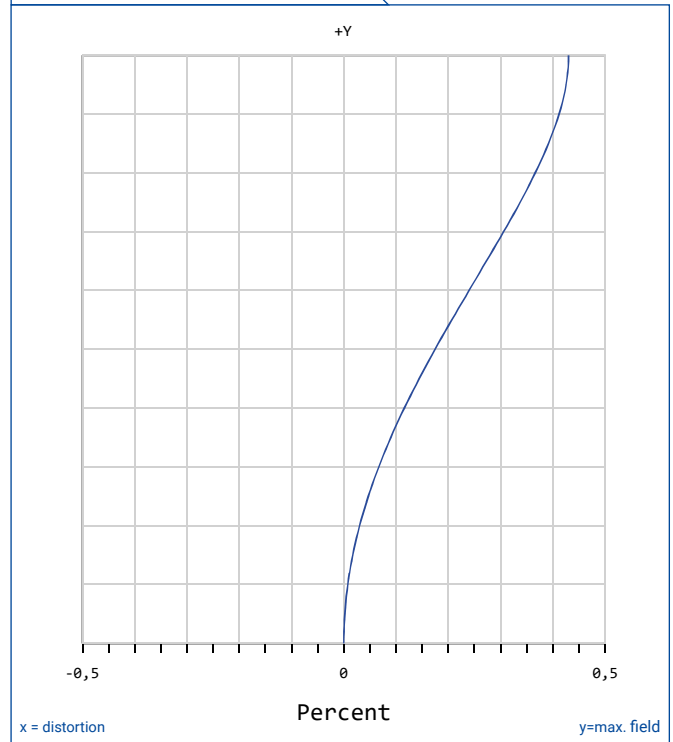
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## specifications

article number	S5LPJ6837
wavelength range [nm]	900 - 1700
design wavelength [nm]	900 - 1700
magnification (+/-5%)	0.500
working distance [mm] (+/-2%)	147.0
object size [mm] at a chip size of [mm]	30.8 x 23.0 15.4 x 11.5 (1.2")
object size [mm] at a chip size of [mm]	34.2 x 25.8 17.1 x 12.9 (1.25")
object size [mm] at a chip size of [mm]	38.4 x 28.8 19.2 x 14.4 (1.5")
max. telecentricity error [°]	0.21
recommended numerical aperture	0.045
max. distortion [%]	0.56
weight [kg]	not yet weighed
flange back distance [mm]	12.00
accessory	--

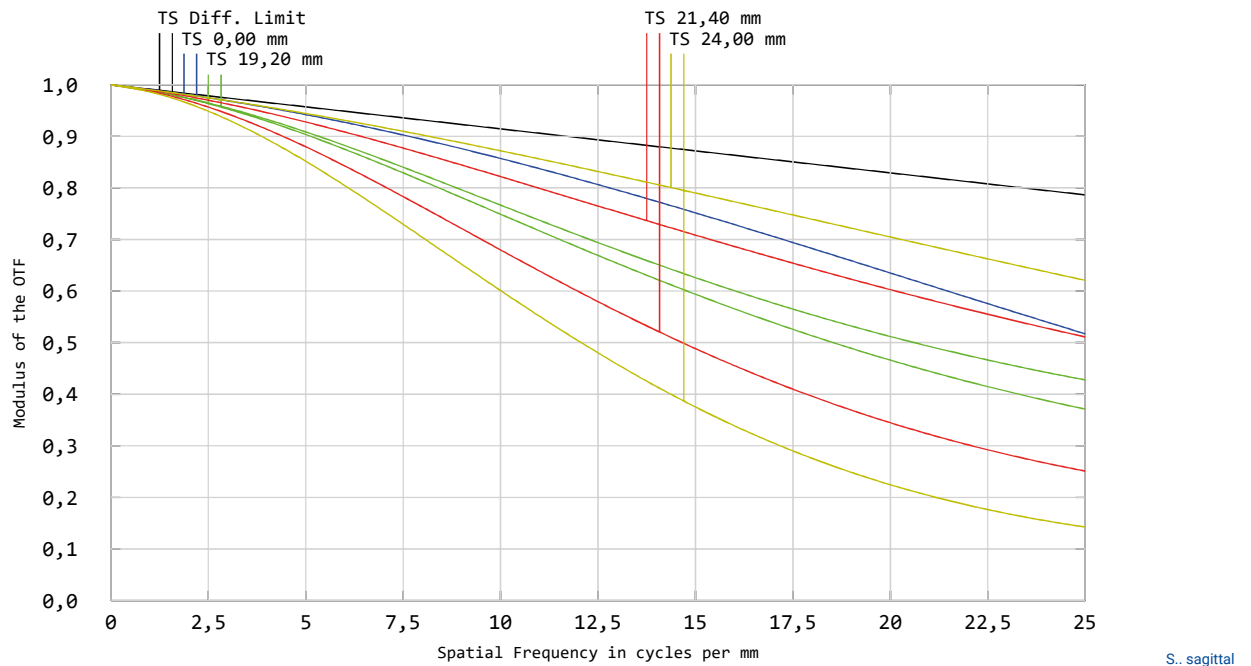
## Distortion for 900 - 1700 nm



## remarks

M70x0.75 filter thread; adding C-mount adapter no.310806, working distance changes to 117mm

## MTF for various object heights at 900 - 1700 nm



graphs and data given by design