

The C2504007VNS Catadioptric lens was developed for a prominent client in Europe.

The lens is ruggedized, a-thermal design and has an excellent image across the entire field and operates in the Vis, NIR & SWIR spectral ranges. The low f/number provides a bright and crisp image with little vignetting. Effective baffling provides excellent stray light rejection, good contrast and a high MTF at low spatial frequencies.

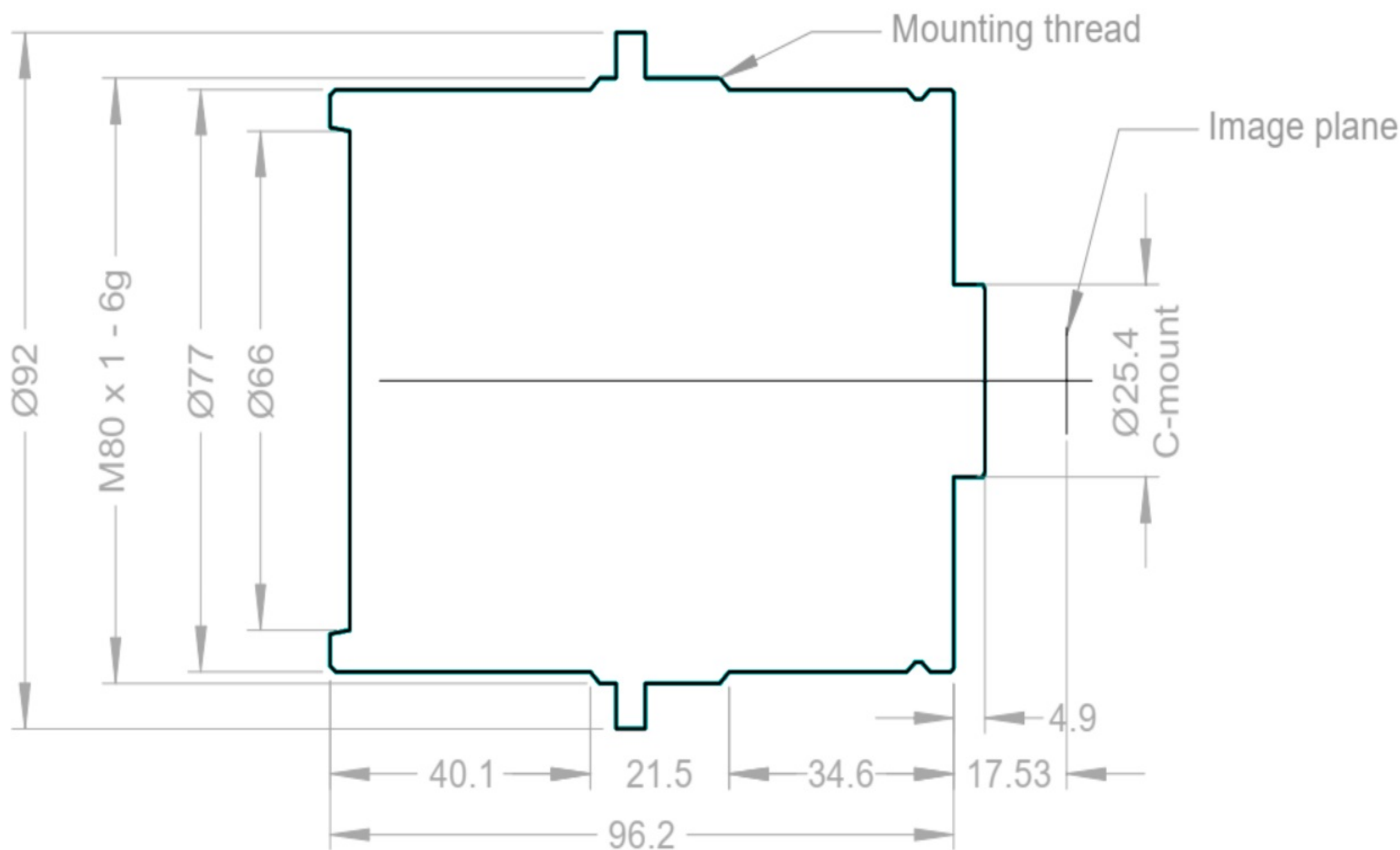
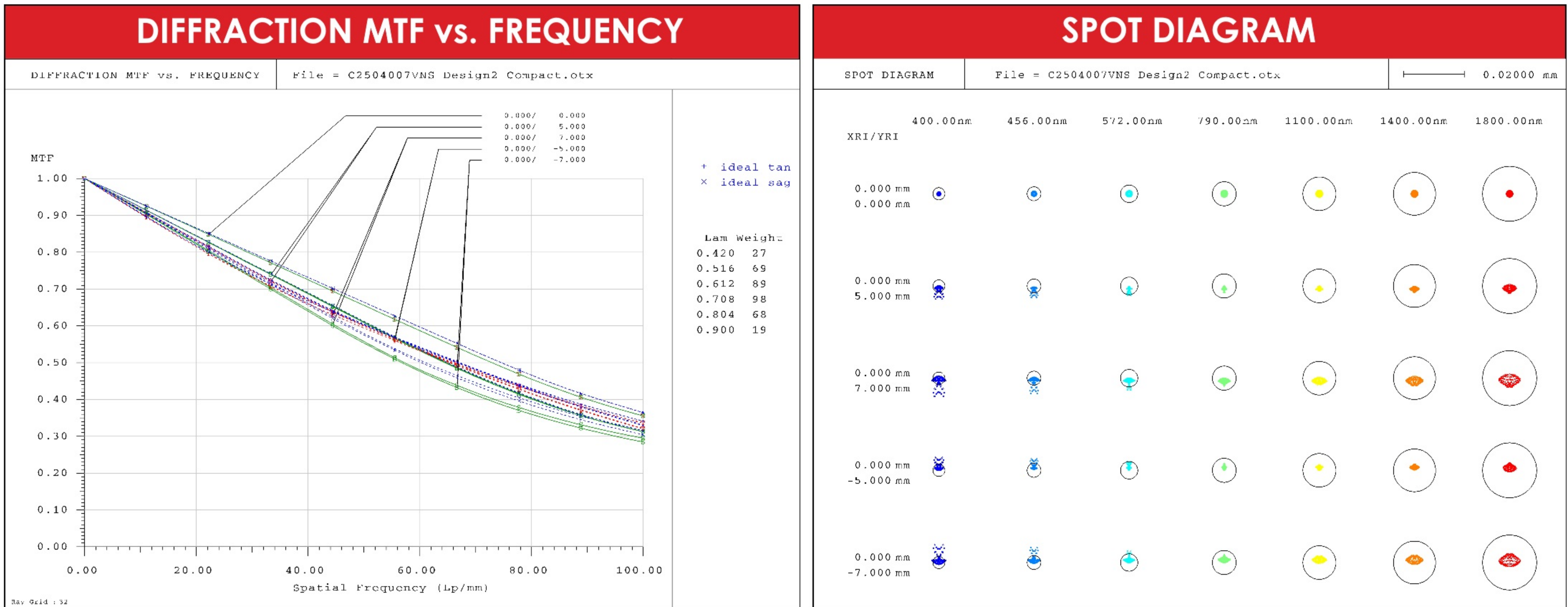
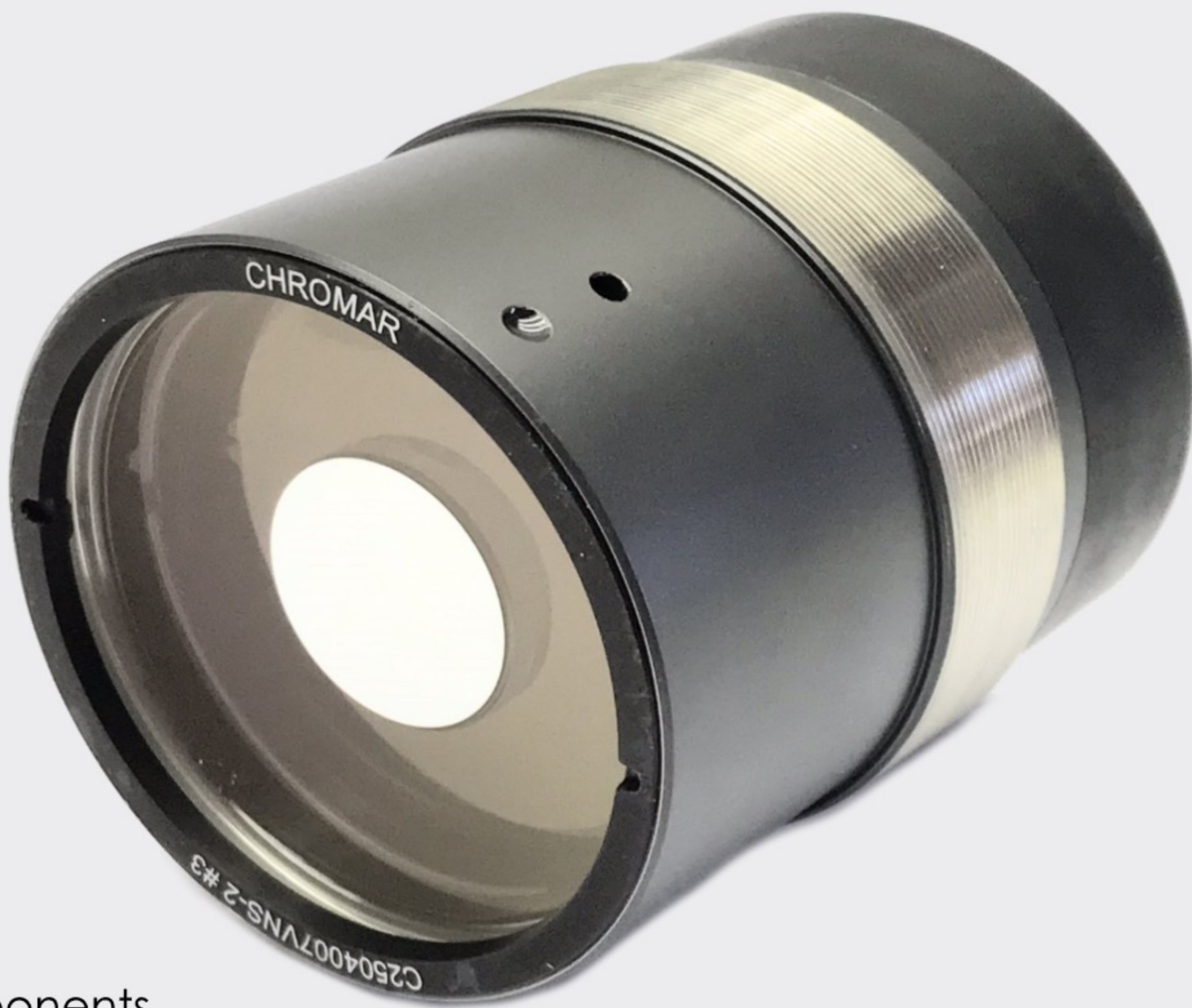
The lens has a standard c-mount.

The design is exceptionally compact with the total distance from the front of the lens to image plane being less than 115mm and outside diameter of 80mm.

The image diameter of 14mm gives a field diameter 3.2°. A 2/3" CCD provides a horizontal field angle of 2.0°.

With a 5µm pixel sensor, at the Nyquist frequency of 100cy/mm, the lens achieves >35% modulation on-axis and 30% on the edge of the field.

The M80x1 thread on the lens barrel provides extremely solid mounting of the lens in a flange, thereby isolating all such stresses from the optical components.



	250mm EFL				
	f/4				
	7mm				
Spectrum	V	N	S	M	L
	0.4-0.7µm	0.7-1µm	1-2µm	3-5µm	8-12µm
Type					
	Zoom	Refracting	Catadioptric		