

# M3518-APVSW

**f=35mm F1.8 ViSWIR Hyper Apochromat  
for Visible+SWIR image sensor, Fixed-focal  
C-Mount**

|                       |       |                   |       |                    |       |                  |       |          |  |
|-----------------------|-------|-------------------|-------|--------------------|-------|------------------|-------|----------|--|
| Model No.             |       | M3518-APVSW       |       | Effective          |       | Front            |       | φ 22.5mm |  |
| Focal Length          |       | 35mm              |       | Lens Aperture      |       | Rear             |       | φ 9.8mm  |  |
| Max. Aperture Ratio   |       | 1:1.8             |       | Distortion(inf)    |       | 1/1.4 Type       |       | 0.0%     |  |
| Wavelength Range      |       | 400nm - 1700nm    |       |                    |       | 1/1.8 Type       |       | 0.0%     |  |
| Max. Image Circle     |       | φ 11.4mm          |       | Back Focal Length  |       | 12.6mm           |       |          |  |
| Operation Range       | Iris  | F1.8 - F16.0      |       | Flange Back Length |       | 17.526mm         |       |          |  |
|                       | Focus | 0.15m - Inf.      |       | Mount              |       | C-Mount          |       |          |  |
| Control               | Iris  | Manual            |       | Filter Size        |       | M37.5 P=0.5mm    |       |          |  |
|                       | Focus | Manual            |       | Dimensions         |       | φ 41mm × 67.0mm  |       |          |  |
| Operating Temperature |       | -10°C - +50°C     |       | Weight             |       | 199g             |       |          |  |
| Angle of View         | D     | 1/1.4 type        | 18.4° | 1/1.8 type         | 14.4° | 1/2 type         | 13.4° |          |  |
|                       | H     | 8.83mm x 7.07mm   | 14.4° | 7.07mm x 5.30mm    | 11.6° | 6.40mm x 5.12mm  | 10.5° |          |  |
|                       | V     | (11.3mm diagonal) | 11.6° | (8.8mm diagonal)   | 8.7°  | (8.2mm diagonal) | 8.4°  |          |  |
|                       | D     | 1/4 type          | 6.8°  |                    |       |                  |       |          |  |
|                       | H     | 3.20mm x 2.56mm   | 5.3°  |                    |       |                  |       |          |  |
|                       | V     | (4.1mm diagonal)  | 4.2°  |                    |       |                  |       |          |  |

**Dimensions**

