

# M1218-APVSW2

**f=12mm F1.8 ViSWIR Hyper Apochromat  
for Visible+SWIR image sensor, Fixed-focal  
C-Mount**

Model No.		M1218-APVSW2		Effective		Front		φ 24.3mm	
Focal Length		12mm		Lens Aperture		Rear		φ 10.4mm	
Max. Aperture Ratio		1:1.8		Distortion(inf)		1/1.4 Type		0.1%	
Wavelength Range		400nm - 1700nm				1/1.8 Type		-0.2%	
Max. Image Circle		φ 11.4mm		Back Focal Length		12.5mm			
Operation Range	Iris	F1.8 - F16.0		Flange Back Length		17.526mm			
	Focus	0.1m - Inf.		Mount		C-Mount			
Control	Iris	Manual		Filter Size		M37.5 P=0.5mm			
	Focus	Manual		Dimensions		φ 39.5mm × 52.0mm			
Operating Temperature		-10°C - +50°C		Weight		163g			
Angle of View	D	1/1.4 type	50.4°	1/1.8 type	40.5°	1/2 type	37.9°		
	H	8.83mm x 7.07mm	40.5°	7.07mm x 5.30mm	32.9°	6.40mm x 5.12mm	30.0°		
	V	(11.3mm diagonal)	32.9°	(8.8mm diagonal)	25.0°	(8.2mm diagonal)	24.2°		
	D	1/4 type	19.5°						
	H	3.20mm x 2.56mm	15.2°						
	V	(4.1mm diagonal)	12.2°						

**Dimensions**

