

# M1218-APVSW

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

Model No.		M1218-APVSW		Effective		Front	φ 24.3mm
Focal Length		12mm		Lens Aperture		Rear	φ 10.4mm
Max. Aperture Ratio		1:1.8		Distortion(inf)		2/3 Type	0.0%
Wavelength Range		400nm - 1700nm				1/2 Type	-0.3%
Max. Image Format		8.8mm x 6.6mm(φ 11mm)		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 x 52.0mm	
Operating Temperature		-10°C - +50°C		Weight		133g	
Angle of View	D	IMX990 (SXGA)	37.9°	IMX991 (VGA)	19.5°	2/3 Type	49.3°
	H	6.40mm x 5.12mm	30.0°	3.20mm x 2.56mm	15.2°	8.80mm x 6.60mm	40.4°
	V	(φ 8.20mm)	24.2°	(φ 4.10mm)	12.2°	(φ 11mm)	30.9°

## Dimensions

