

## LINE SCAN CAMERA LENSES

### **Y3528**

### **Y5028**

Asahi Precision Co., Ltd. have developed Y3528 and Y5028 lenses for line-scan cameras as a basis of the long-term experience in the photographic industry and accumulated technologies and know-how in the machine vision industry. The lenses are exclusively for line-scan cameras and are designed to best perform on close-up applications.

#### FEATURES:

- Ultra-high resolution corresponding with 7  $\mu$ m pixel.
- Less distortion.
- Best optical performance for short-distant objects.
- Focus & iris lock screws against vibration and shock.

#### SPECIFICATIONS

##### Y3528

Focal length:	35mm
Maximum magnification:	0.5X
Iris range:	F2.8 to F22
Mount:	K or F mount
Dimensions:	72mm (D) x 57.8mm (L) - K mount lens 72mm (D) x 56.8mm (L) - F mount lens
Weight:	420 grams

##### Y5028

Focal length:	50mm
Maximum magnification:	0.5X
Iris range:	F2.8 to F22
Mount:	K or F mount
Dimensions:	72mm (D) x 57.8mm (L) - K mount lens 72mm (D) x 56.8mm (L) - F mount lens
Weight:	400 grams

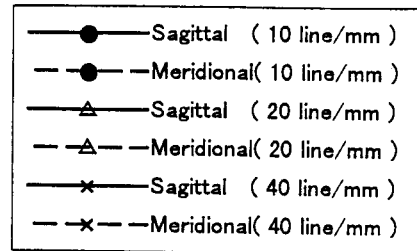
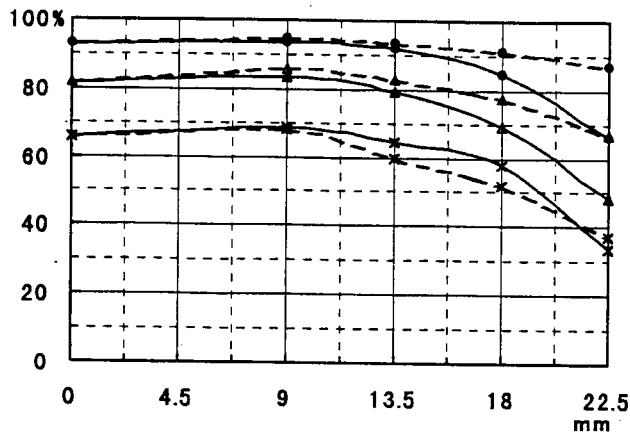
## Y3528



## Y5028

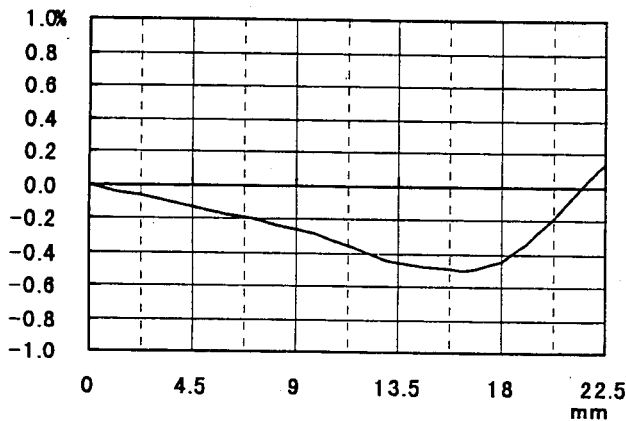


● Optical Transfer Function (OTF)

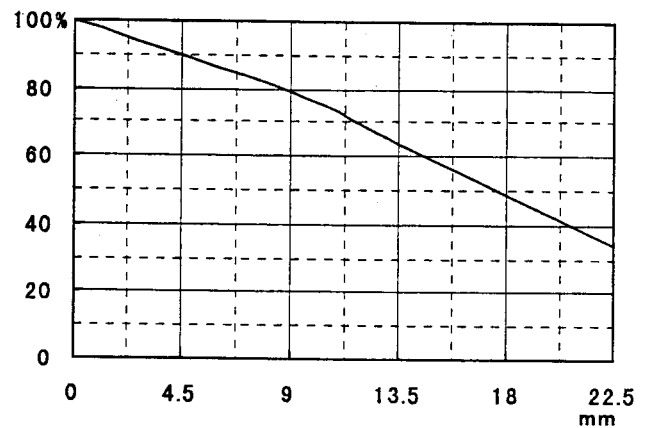


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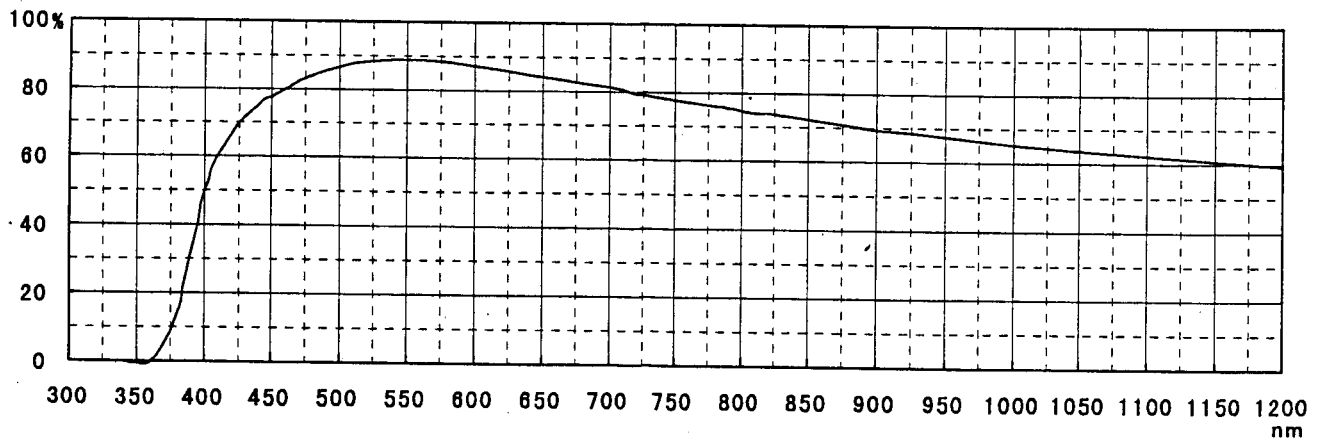
● Distortion (歪曲収差)



● Vignetting (周辺光量)



● Spectral Transmittance (分光透過率)



● Resolving Power (投影解像力)

y					
Rr(S)					
Rt(M)					

● Entrance Pupil Position (入射瞳位置) -72.30 [mm] \*

● Exit Pupil Position (射出瞳位置) -51.04 [mm] \*

● 1st Principal Point (第一主点) -61.81 [mm] \*

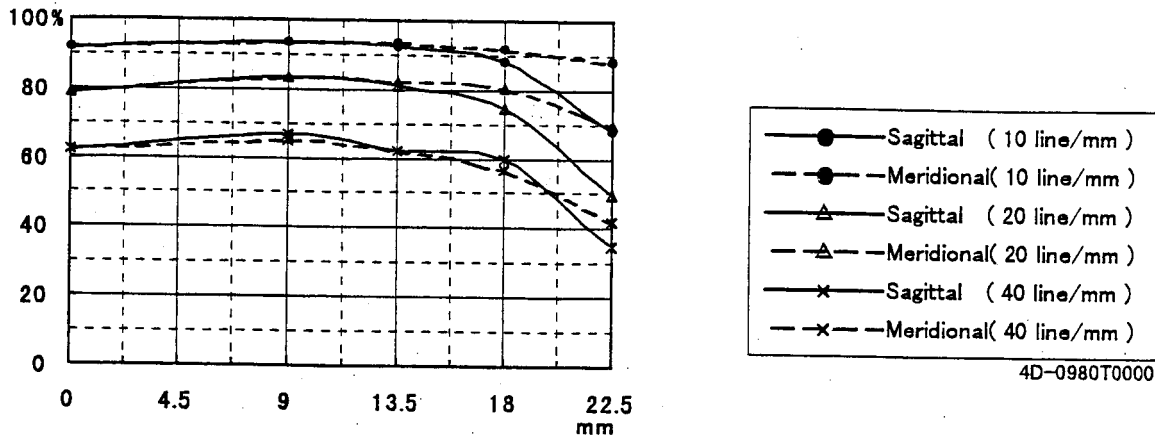
● 2nd Principal Point (第二主点) -36.29 [mm] \* (\*: From Image Plane)



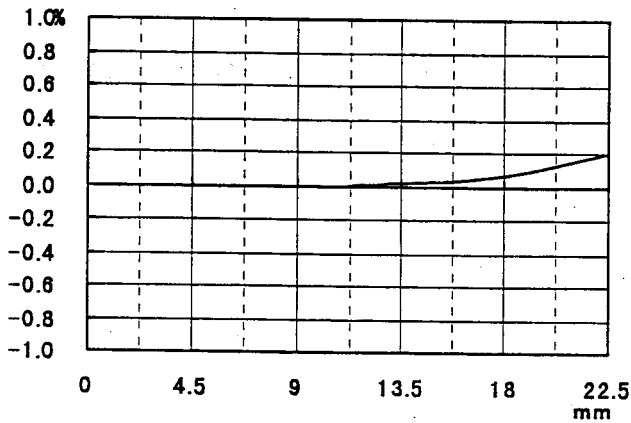
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APP.	CHG.	Revision	Date	Drawing Number
		3		51915 1/1
		2		
		1		

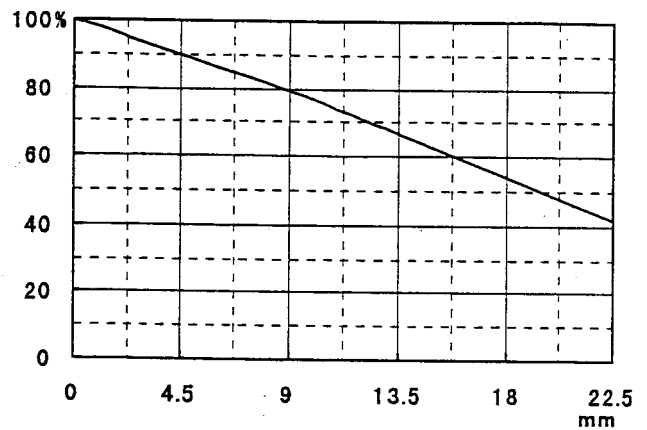
●Optical Transfer Function (OTF)



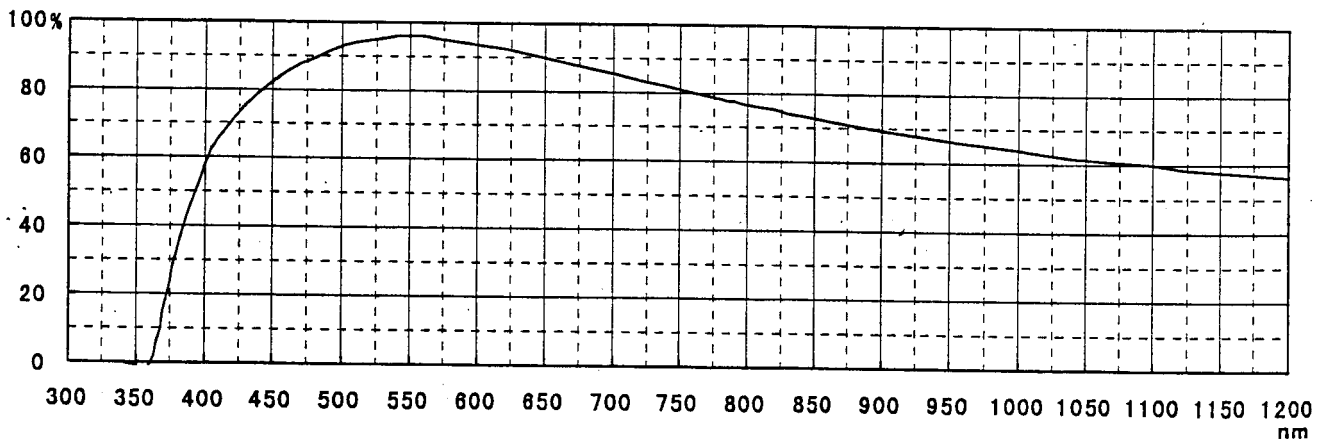
●Distortion (歪曲収差)



●Vignetting (周辺光量)



●Spectral Transmittance (分光透過率)



●Resolving Power (投影解像力)

y					
Rr(S)					
Rt(M)					

- Entrance Pupil Position (入射瞳位置) -57.13 [mm] \*
- Exit Pupil Position (射出瞳位置) -54.47 [mm] \*
- 1st Principal Point (第一主点) -54.77 [mm] \*
- 2nd Principal Point (第二主点) -51.99 [mm] \* (\*: From Image Plane)



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Date

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