

# CRT P-11 NIKKOR DATA DISPLAY LENS

## GREATER RESOLUTION & INTENSITY DISTRIBUTION

- 35mm DOUBLE FRAME, 24 x 36mm (0.936 x 1.404") FORMAT
- IMAGE DIAMETER 43.2mm (1.68")

### OBJECT COVERAGE:

Reduction Ratio	Image Diameter	
	Lowest Distortion	Maximum
1:4	172.8mm (6.40")	190mm (7.41")
1:5	216mm (8.424")	250mm (9.75")
1:5.5	237.6mm (9.664")	270mm (10.53")

### TRANSMISSION:

CRT PHOSPHORS	%
P-1	94
P-11	95
P-15	77
P-16	35

Intensity distribution equal to  $\cos \theta$  &  $\cos^4 \theta$  rule.

### APERTURE:

Infinity	F:1.2
1:5 Reduction	F:1.4

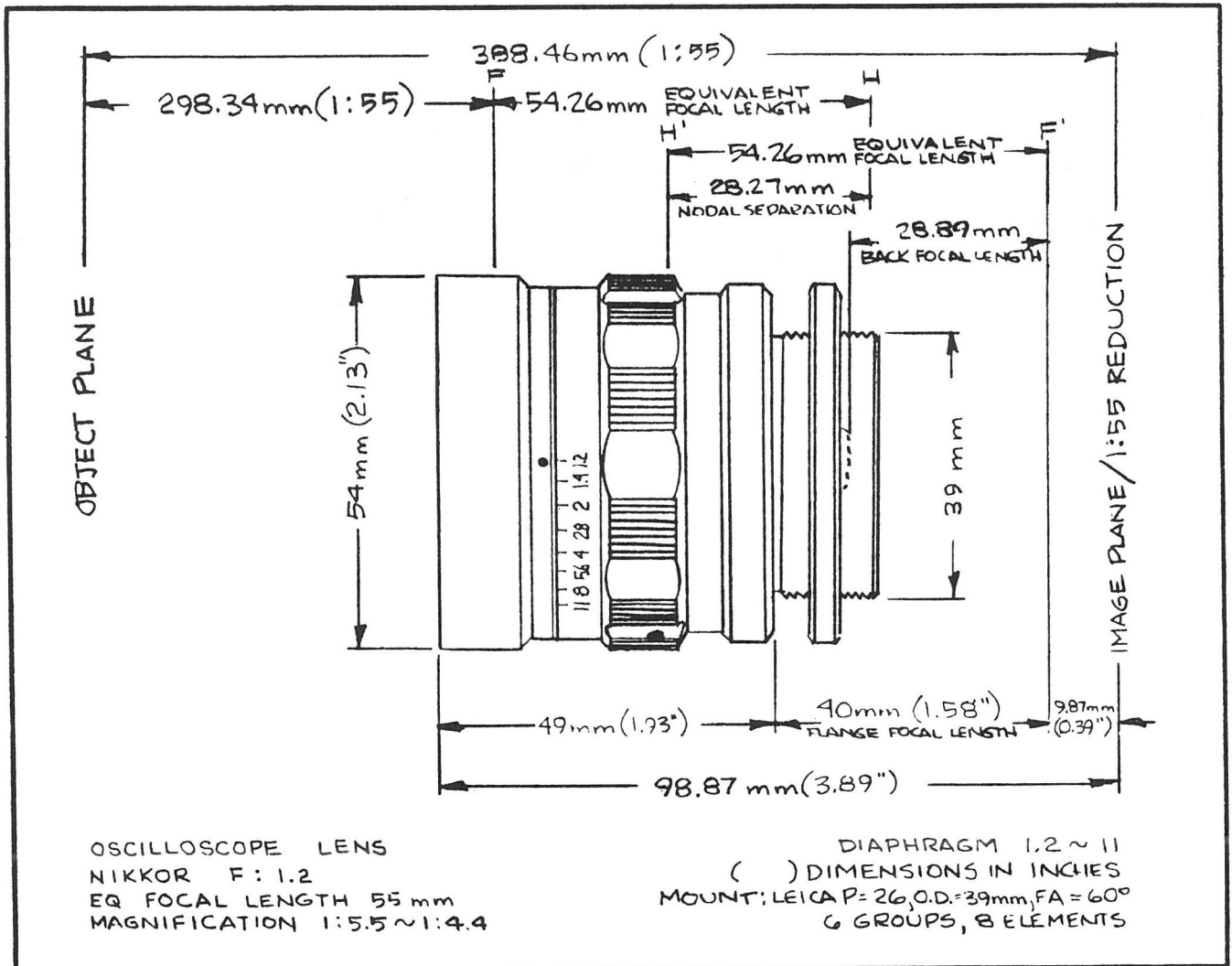
### MECHANICAL MOUNT AVAILABLE

Barrel, extra long Leica thread with jam nut (see drawing).

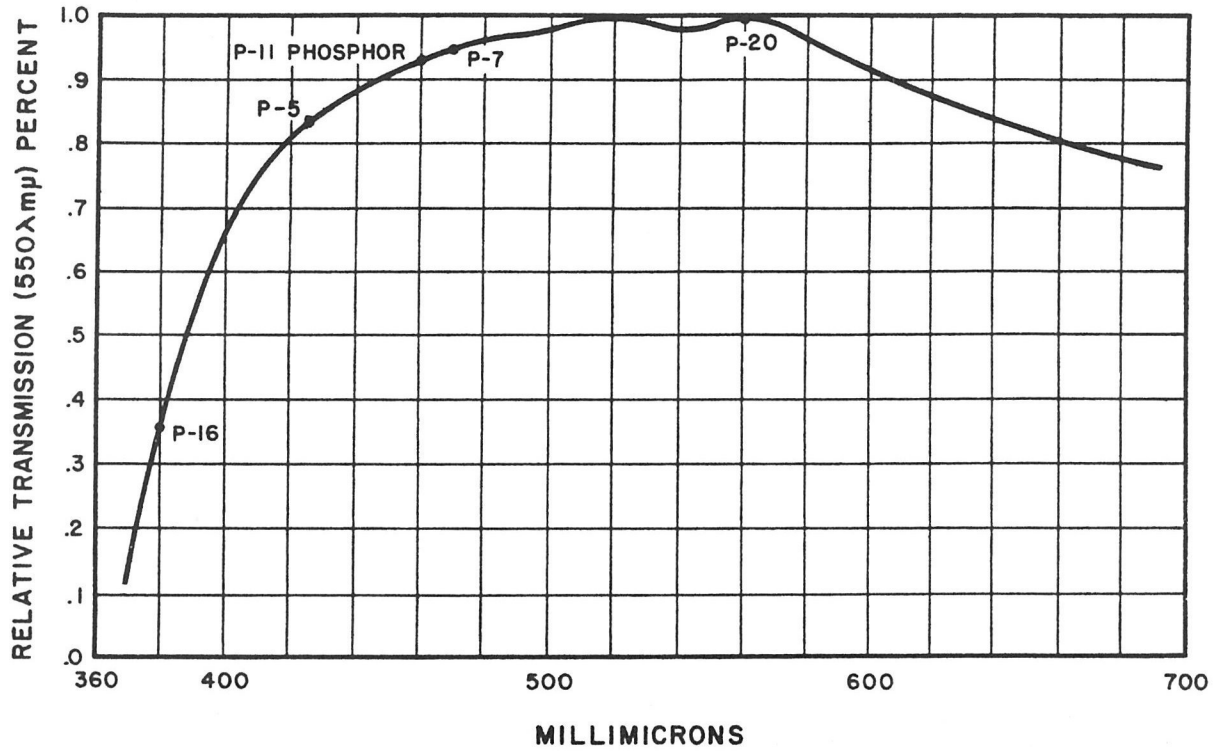
### RESOLUTION:

Recorded for full CRT raster; high density target on clear background, filling full acceptance cone of lens with flare producing illumination. High density background target and High Contrast Copy Film, up to 250 LP/mm possible.

OEM prices upon request.



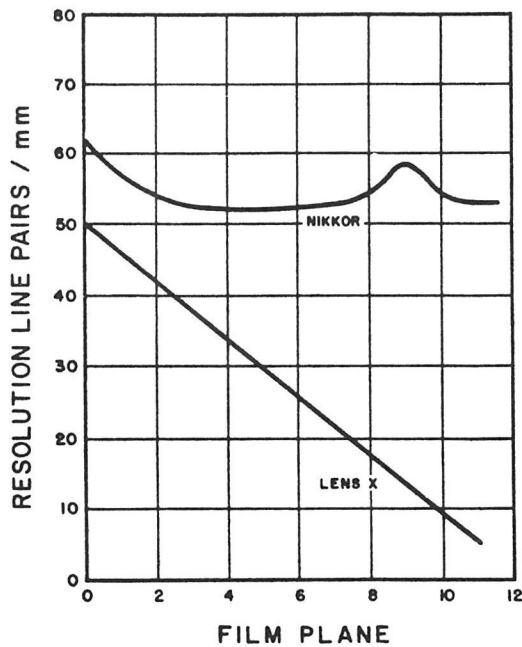
TRANSMISSION RELATIVE TO  $\lambda 550m\mu/\lambda$   
 NIKKOR CRT RECORDING LENS A.R.1:1.4 55mm  
 SERIAL 720015



PHOTOGRAPHIC RESOLUTION

LENS X, F/1.5 (7 ELEMENTS) 51mm

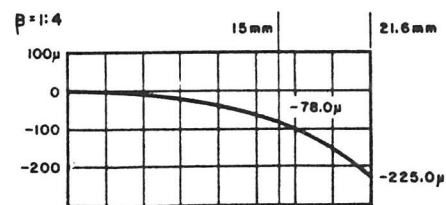
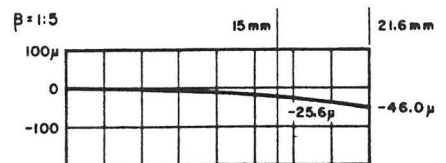
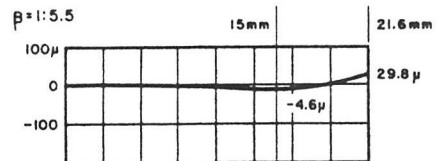
NIKKOR (A.R. 1:1.4  
1:5 MAG.) 50mm



A.R. 1:1.4  
MAG. RATIO 1:4.9

F/1.5 (A.R. 1:1.8)  
MAG. RATIO 1:4.1

DISTORTION



TUNG. SOURCE PANATOMIC X  
 WRATTEN 47B FILTER ACUFINE:6MIN., 1:3DIL., 75°F

FILM PLANE