

TECHNOLOGY REPORT

Marshall Electronics, Inc.

1910 East Maple Av, El Segundo, CA 90245 USA

TEL : 310-333-0606

FAX : 310-333-0688

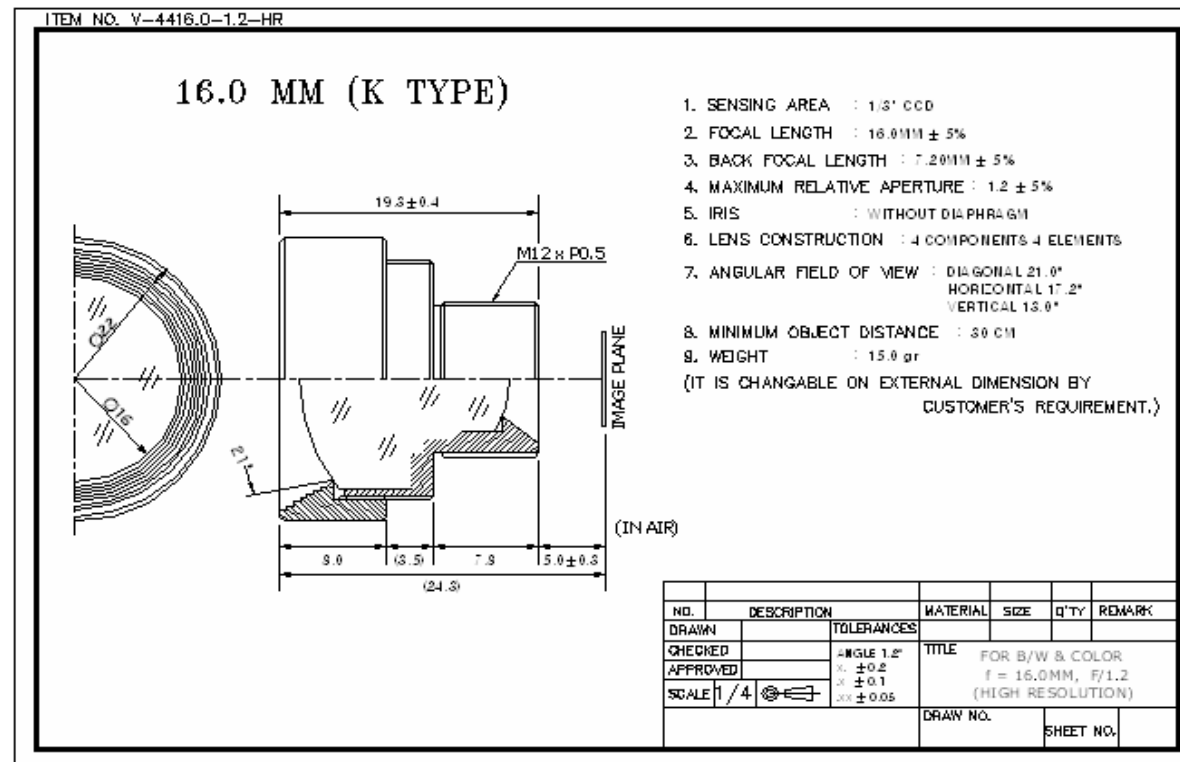
Website: www.marshall-usa.com

Email: sales@mars-cam.com

V-4416.0-1.2-HR

16.0mm F1.2 High Resolution CCTV Lens

Specification Sheet Date



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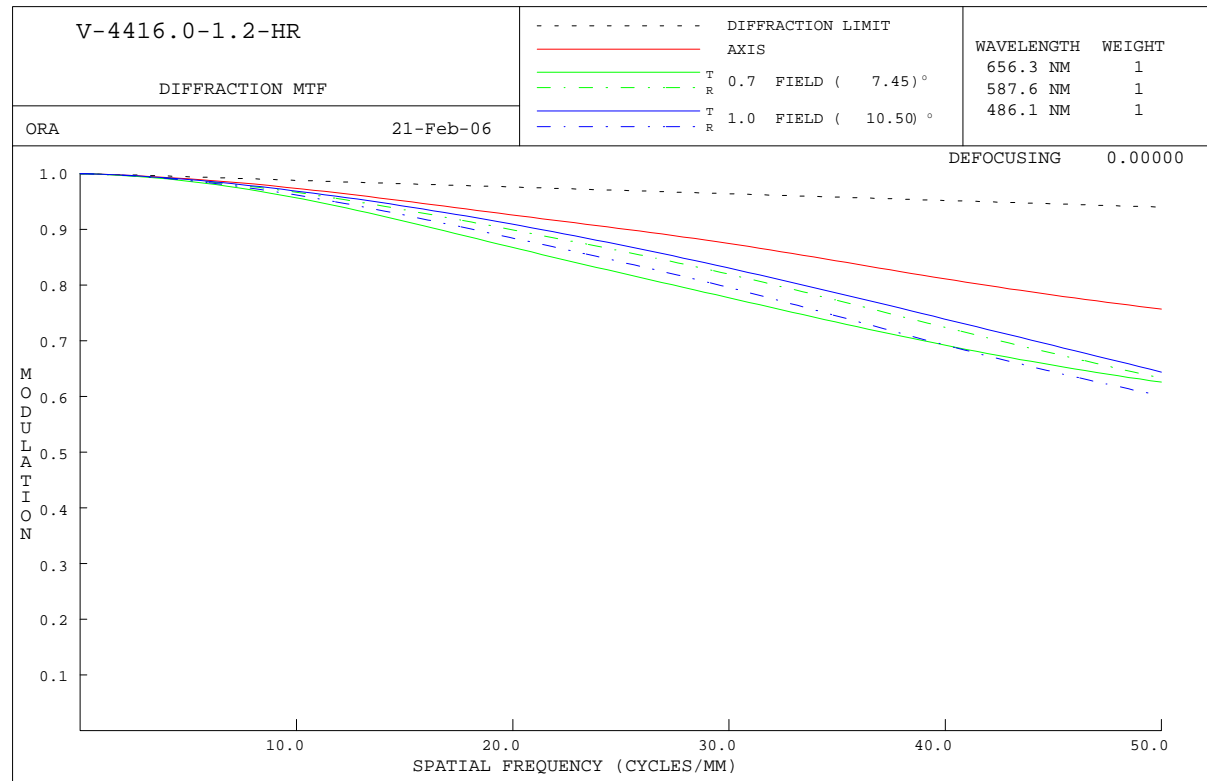
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MTF (modulation transfer function)



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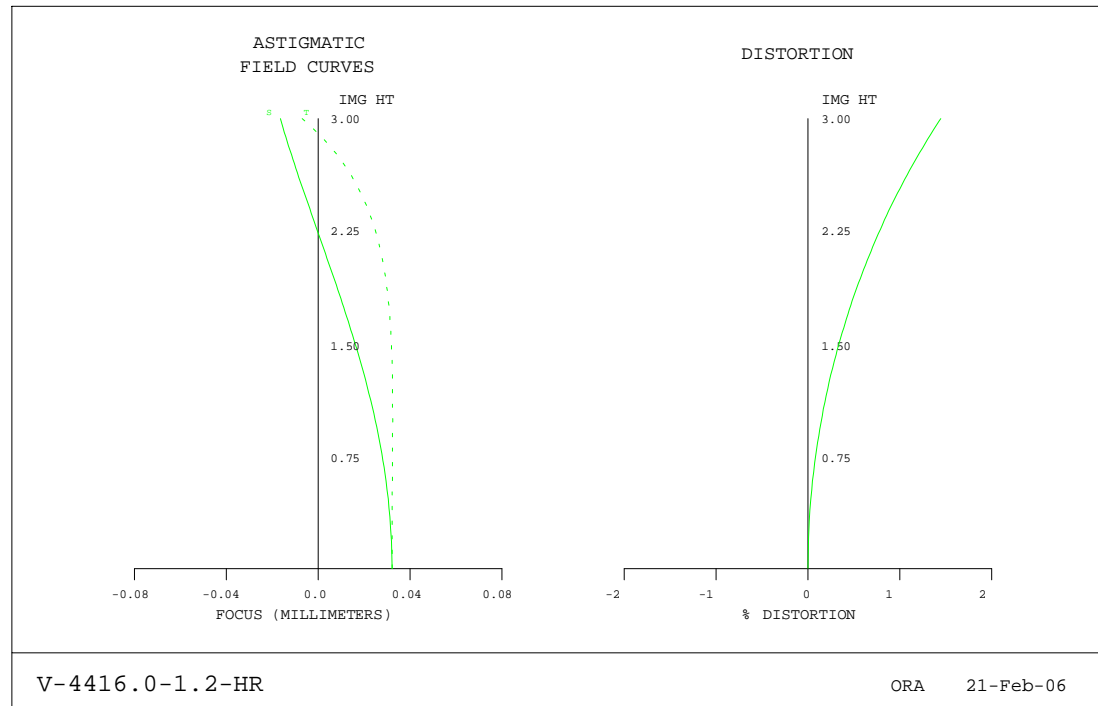
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Optical Distortion



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ROTATIONALLY SYMMETRIC FIELD ABERRATIONS

POSITION 1	V-4416.0-1.2-HR					
WAVELENGTH	587.6 NM					
RELATIVE	IMG HT	X-FOCUS	Y-FOCUS	X-FOCUS	Y-FOCUS	DISTORTION
FIELD HEIGHT	AT THE IMAGE SURFACE			(DISPLACED BY 0.000000)		(PER CENT)
0.00	0.00	0.032152	0.032152	0.032152	0.032152	0.00000
0.10	0.30	0.031462	0.032203	0.031462	0.032203	0.01339
0.20	0.60	0.029416	0.032328	0.029416	0.032328	0.05365
0.30	0.90	0.026090	0.032443	0.026090	0.032443	0.12100
0.40	1.20	0.021608	0.032387	0.021608	0.032387	0.21587
0.50	1.50	0.016148	0.031882	0.016148	0.031882	0.33897
0.60	1.80	0.009931	0.030473	0.009931	0.030473	0.49144
0.70	2.10	0.003229	0.027428	0.003229	0.027428	0.67499
0.80	2.40	-0.003638	0.021589	-0.003638	0.021589	0.89228
0.90	2.70	-0.010313	0.011111	-0.010313	0.011111	1.14734
1.00	3.00	-0.016400	-0.006959	-0.016400	-0.006959	1.44635

Units of focus are MILLIMETERS