



Aspheric Equation

$$Z(y) = \frac{c^2 y^2}{1 + \sqrt{1 - (k + 1)c^2 y^2}} + \sum_{i=3}^8 A_{2i} y^{2i}$$

Aspheric Coefficients		
	S1	S2
R	8.0000	Plano
c	0.1250	
k	-0.5287	
A <sub>6</sub>	-2.6100 E-7	
A <sub>8</sub>	-4.3447 E-9	
A <sub>10</sub>	7.3507 E-12	
A <sub>12</sub>	-9.4254 E-13	
A <sub>14</sub>	9.1176 E-15	
A <sub>16</sub>	-3.6984 E-17	

Sagittal Distances of Aspheric Surface		
Y (mm)	Z(mm)	
	S1	S2
0.0	0.000000	-
2.5	0.395155	-
5.0	1.636027	-
7.5	3.879779	-

SECTION A-A  
SCALE 4 : 1

S1		Material / Lens Data		S2	
Radius of curvature	8.0 mm	Glass Type	S-LAH64	Radius of curvature	Plano
Clear Aperture	15.3 mm	n <sub>d</sub> / V <sub>d</sub>	1.7919 / 47.12	Clear Aperture	12.8 mm
Irregularity	< 1 μm P-V	Focal length	10.1 mm ± 1%	Irregularity	< λ/4 P-V
Centering	Not specified	Numerical aperture	0.70	Centering	Not specified
Surface Quality	60-40	Design wavelength	550 nm	Surface Quality	60-40
Coating	R <sub>avg</sub> < 1.2% @400 -700 nm AOI 0 - 45°			Coating	R <sub>avg</sub> < 1.2% @400 -700 nm AOI 0 - 45°

Dimensions in mm  
For Information Purposes Only

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TITLE: ASP_DRC_SLAH64_F10_D17_NA0.70_AR(400-700)	
DWG. NO. D190-4004-226	
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8 7 6 5 4 3 2 1

D  
C  
B

A

8 7 6 5 4 3 2 1