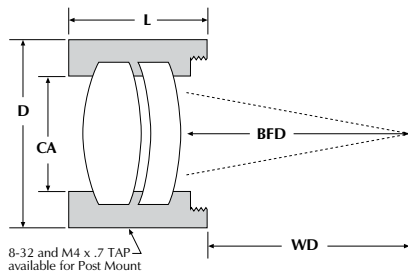
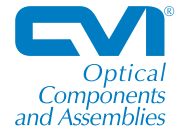
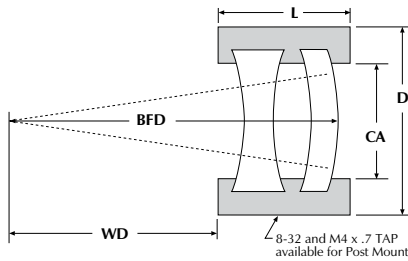


Visible Laser Aplanats

LAP, LAN



LAP Positive High Energy / UV Laser Aplanats



LAN Negative High Energy / UV Laser Aplanats

Substrate Material	SF11 glass
Surface Quality	All surfaces 40-20 per MIL-PRF-13830B except for LAP-762.0-152.0, which is 60-40
Design Wavelength	633nm
Housing Tolerance	± 0.005"
Antireflection Coating	R ≤ 0.25% per surface, user specified
Transmitted Wavefront Distortion	λ/4 p-v over 95% of CA at 633nm
Damage Threshold	4J/cm ² , 20ns, 20Hz at 1064nm

- **Applications:** Beam handling, interferometers, material ablation & cutting systems
- **Air-spaced design for medium to high energy applications**
- **Diffraction limited performance**
- **Other focal lengths available, call for pricing and delivery information**
- **Mounts easily onto Post with 8-32 and M4 x .7 Tap**

Aplanats are corrected for spherical aberration and coma. The **LAP** and **LAN** are ideal for general purpose use in the visible and near-IR regions. For energies above 4J/cm² or for UV applications, the **LAPQ** and **LANQ** are recommended. Parts are marked with an arrow on the barrel that points to the collimated light ▶ **131**.

How To Order

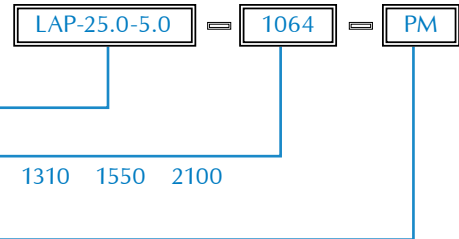
Lens Part Number

Wavelength of AR Coating (nm) ▶ 46-49

488 514.5 532 633 780 800 980 1054 1064 1070 1080 1090 1310 1550 2100

Post Mount

PM



Visible Laser Aplanats

Lens Part Number	Focal Length at 633nm	Back Focal Distance BFD	Clear Aperture CA	Original Housing			New Post Mount Housing		
				Working Distance WD	Outside Diameter D	Length L	Working Distance WD	Outside Diameter D	Length L
Positive Laser Aplanats									
LAP-5.0-1.0	5.0	3.8	1.0	3.8	10.2	6.5	2.2	25.4	8.0
LAP-10.0-2.0	10.0	8.7	2.0	4.7	10.2	7.2	7.2	25.4	8.0
LAP-15.0-3.0	15.0	13.7	3.0	10.0	12.7	8.2	13.9	25.4	8.0
LAP-25.0-5.0	25.0	23.0	5.0	20.0	12.7	7.8	22.1	25.4	8.0
LAP-50.0-10.0	50.0	47.8	10.0	42.4	19.0	12.7	42.9	50.8	10.2
LAP-75.0-15.0	75.0	72.5	15.0	68.0	25.4	11.8	65.1	50.8	12.7
LAP-100.0-20.0	100.0	96.5	20.0	90.6	28.6	12.7	87.8	50.8	15.9
LAP-125.0-25.0	125.0	120.1	25.0	112.0	34.9	19.1	114.1	50.8	15.9
LAP-150.0-30.0	150.0	145.4	30.0	141.7	38.1	14.7	139.0	76.2	15.9
LAP-200.0-40.0	200.0	193.0	40.0	187.2	50.8	20.3	185.2	76.2	22.2
LAP-250.0-50.0	250.0	242.0	50.0	236.2	63.5	25.4	222.5	76.2	25.4
LAP-300.0-60.0	300.0	291.2	60.0	283.1	76.2	25.4	281.8	101.6	30.5
LAP-500.0-100.0	500.0	491.9	100.0	487.4	114.3	29.0	472.2	127.0	44.5
Negative Laser Aplanats									
LAN-5.0-1.0	-5.0	6.5	1.0	2.4	12.7	6.4	3.7	12.7	6.4
LAN-10.0-2.0	-10.0	11.6	2.0	7.7	12.7	6.4	8.7	12.7	6.4
LAN-15.0-3.0	-15.0	17.1	3.0	12.2	12.7	8.1	13.4	12.7	8.1
LAN-25.0-5.0	-25.0	26.7	5.0	21.5	12.7	8.8	23.4	12.7	8.8
LAN-50.0-10.0	-50.0	53.3	10.0	44.0	19.1	12.7	52.9	19.1	12.7

Unless otherwise noted, all measurements in mm.