

# Optima Multiple Element Spherical Lens Specifications:

PART NUMBER	336-1027-660	336-1027-785	336-0965-780
UNIT PRICE (Qty 1-49 pcs.)	\$29.20		\$76.80
DESCRIPTION	Collimating lens		
CONJUGATE DISTANCE	Infinite		
DESIGN WAVELENGTH (note 1)	660nm	785nm	780nm
FOCAL LENGTH	4.476mm	4.516mm	7.003mm
WORKING / SOURCE DISTANCE	2.17mm	2.20mm	2.0mm
NUMERICAL APERTURE	0.476	0.476	0.389
CLEAR APERTURE	4.30mm	4.30mm	5.45mm
F#	1.04	1.05	1.28
FIELD SIZE DIAMETER	0.156mm	0.158mm	0.176mm
AR COATING DESIGN CENTER, MgF2	660nm	785nm	780nm
TRANSMISSION	>93%		>95%
COVER GLASS THICKNESS	0.25mm ~ 0.30mm		
COVER GLASS INDEX (n)	1.52023	1.51107	1.525
CELL MATERIAL & FINISH	Aluminum, Black Anodized		Brass
CELL DIMENSIONS (diameter x length)	Ø6.4mm x 6.3mm		Ø10mm x 10mm

Notes: 1) In the specifications listed above, the design wavelength is used to calculate the focal length; however, this does not limit use of the lens to this particular wavelength — these lenses can be used with both near-infrared and visible laser diodes from 635nm through 850nm.

