

DOMES | Optics

Specifications	Limit
Dimensional	0.1 mm
Surface Figure	2 fringes with power x 0.5 fringe irregularity over any 100 mm Ø @ 633 nm
Transmitted Wavefront Error	10.6 µm over a 230 mm diameter aperture and 152 mm diameter in the visible
Parallelism	30 arc seconds
Edge Thickness Variation (domes)	0.05 mm
Materials	Germanium, Silicon, Zinc Sulphide, Zinc Selenide, Chalcogenide Glass, Gallium Arsenide, Calcium Fluoride, Magnesium Fluoride, Optical glasses
Maximum Dimensions	Up to 430 mm diameter

- Low image distortion
- Available with AR coatings to improve transmission
- Hard coating for harsh environmental conditions
- Diameter up to 430 mm
- For materials see page 6-7



The general tolerance specifications above provide a guideline regarding manufacturing capabilities for uncoated optics ranging in size from 12.7- 430 mm. The manufacturing limits are not absolute and may vary depending on material; tighter tolerances may be possible. Part specific tolerances may vary. All specifications do not need to be from single column.