

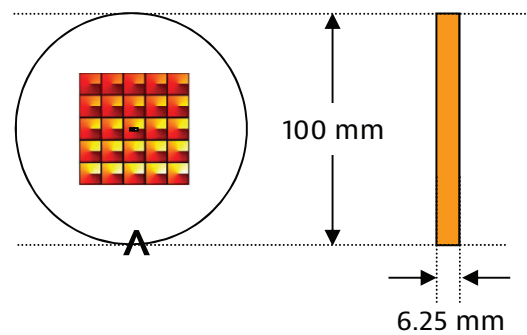
Brochure

# VIAVI VPP-1a

## Vortex Phase Plate

Properties	
Master	u6243E
Pattern dimension	~50 x 50
Vortex aperture	10 x 10 mm
Charge	1
Phase depth tolerance	±3% (typ.)
Material	Polymer replicated on glass substrate
Index of refraction	1.56
Transmission spectrum	350-2000 nm
Temperature range	-150°C to 120°C

### Part Dimensions



Caret mark (^) on substrate points to pattern side and locates the bottom of the vortex pattern

### Wavelength Map for $2\pi$ Phase Depth

527.0	512.5	487.3	466.2	443.9
629.2	620.4	596.5	576.7	560.8
735.8	727.7		688.9	678.8
849.9	844.2	826.6	807.3	796.3
990.8	999.7	983.6	959.8	939.4

Pattern side up



Note on handling: As with any high-precision optical component, avoid touching the surface pattern and always use gloves when handling the phase plate.

### Vortex Geometry

