

Brochure

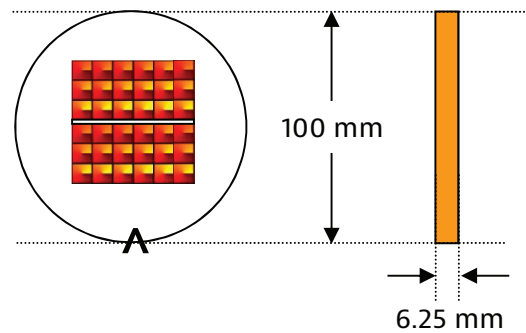
VIAVI

VPP-1c

Vortex Phase Plate

Properties	
Master	u9271E
Pattern dimension	~50 x 50
Vortex aperture	10 x 10 mm
Charge	1
Phase depth tolerance	±3% (typ.)
Material	Polymer replicated on glass substrate
Transmission spectrum	350-2000 nm
Temperature range	-150°C to 120°C
Defects	None

Part Dimensions



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

Wavelength Map for 2π Phase Depth

1515	1471	1504	1515	1471	1455
1531	980	854	606	1520	1466
1563	490	395	388	474	1542
1542	534	455	411	607	1536
1520	1081	779	721	885	1515
1509	1477	1498	1515	1520	1525



Pattern side up
Blue boundary indicates clear aperture

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

