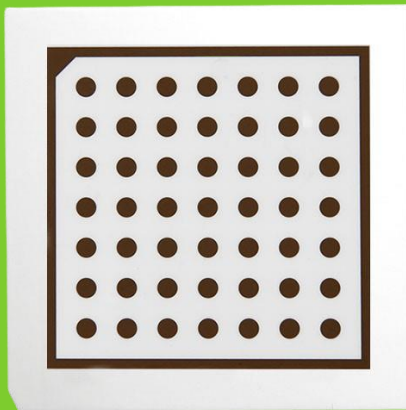


## pvCal Halcon Ceramic

Halcon compatible calibration targets for accurate & precise measurements

### Chrome pattern (blue matte) printed on ceramic, ideal for front light applications



White ceramic substrate 1.0 mm thick

- surface roughness 0.3-0.4  $\mu\text{m}$
- surface flatness <100 mm: 10-30  $\mu\text{m}$ , 100-150 mm: 60-100  $\mu\text{m}$

Standard coating: blue matte chrome

- reflectivity <5%@632 nm
- coating thickness ~150 nm
- no pinhole bigger than 0.001 mm

Overall accuracy: <100 mm: +/-2  $\mu\text{m}$ , 100-150 mm: +/-3  $\mu\text{m}$

Dot diameter tolerance: +/-0.002 mm

Dot spacing tolerance: +/-0.002 mm center to center

Thermal expansion coefficient:  $7.2 \times 10^{-6} / ^\circ\text{C}$

Accuracy from target edge to pattern: +/-0.1 mm

Dimension & thickness tolerance: +/-0.1 mm

Sharp edges: +/-1° angle

Pattern size mm	6x6	10x10	20x20	30x30	40x40	50x50	60x60	80x80	100x100	120x120
Dot diameter mm	0.375	0.625	1.25	1.875	2.5	3.125	3.75	5.0	6.25	6.0
Dot array	7x7	7x7	7x7	7x7	7x7	7x7	7x7	7x7	7x7	9x9
Dot spacing mm	0.75	1.25	2.5	3.75	5.0	6.25	7.5	10.0	12.5	12.0
Dimensions mm	10x10	20x20	30x30	40x40	50x50	60x60	76x76	100x100	127x127	135x135

Larger dimensions / patterns available on request.