

PMC - Concave Mirror Specifications

APPROVALS	DATE	REV	DCN NO.	BY	CHECK	DCC	DATE
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DCC RELEASE							

1 Substrate

REO's 100cm cc/pl - Fused Silica 7.75mm dia.
DWG# 30731 - Rev. A

2 Coating

Wavelength: 1064 nm
Angle of incidence: 0 degrees

Side 1

HR: $T \leq 10$ ppm
Uniformity: 1 nm rms
Absorption: ≤ 1 ppm
Scatter < 15 ppm

Side 2

AR - $R \leq 0.1\%$

Coating vendor to provide:

1. One 1" witness sample from each coating run
2. Two spectrophotometer graphs of the reflectance and transmittance of the HR coatings must be provided; one covering the spectrum from 530nm to 1200nm; the other, with increased sensitivity, to show wavelengths from 900nm to 1100nm
3. Spectrophotometer graphs of the reflectance of the AR coating taken as cited above.