

Coronagraph Amplitude Masks

Amplitude Masks are used in Coronagraph instrumentation for solar corona observation or exo-planet detection. These Amplitude Masks are binary masks. They can have different shapes (single circular zone, segmented zone, ...). They reduce the central high intensity coming from the star to permit the observation of a very lower intensity object close to it .

Specifications*

Substrate

<i>Diameter :</i>	up to 100 mm
<i>Thickness :</i>	from 0.5 mm to 9.5 mm
<i>Material :</i>	fused silica, BK7, ...

Pattern

<i>Data :</i>	Phase Map data provided by customer.
<i>Amplitude profile :</i>	binary profile
<i>CD and positioning :</i>	down to 0.5 - 1 micron

* Please contact us for other specifications

Phase Mask

Phase Masks are also available.

Fields

Astronomy

Category

Amplitude component

