Product Description:

Carmanhaas Window are frequently used in optical systems to separate the environment in one part of the system from another, such as to seal vacuum or high-pressure cells. Because the infrared transmitting material has a high index of refraction, an anti-reflection coating is typically applied to windows to minimize losses due to reflections.

To protect scan lenses from backsplatter and other workplace hazards, Carmanhaas offers protective windows, also known as debris windows that are either included as the overall scan lens assembly part, or sold separately. These plano-plano windows are available in both ZnSe and Ge materials and also supplied mounted or unmounted.

Silicon, Germanium, GaAs and Znse are three popular and useful IR materials. Si can be used from 1.2 to 7 um. It has peak performance in the 3 to 5 um region. Ge is ideal for thermal imaging application and is po pular for its high refraction index at about 4.0 from 2 to 14um. Znse is commonly used in thermal resistanc e applications. Znse has wide usage in high power CO2 laser systems.

Specification:

P/N	Diameter		Thickness		Material
	mm	inch	mm	inch	
W-10.6-12-2	12	0.47	2	0.08	Znse
W-10.6-12-3	12	0.47	3	0.12	Znse
W-10.6-12.7-2	12.7	0.5	2	0.08	Znse
W-10.6-12.7-2.5	12.7	0.5	2.5	0.1	Ge

W-10.6-15-2	15	0.59	2	0.08	Znse
W-10.6-16-3	15	0.59	3	0.12	Znse
W-10.6-15-4	16	0.63	3	0.12	Znse/Ge
W-10.6-15.2-3	15.2	0.6	3	0.12	Znse
BRW-10.6-18-2	18	0.71	2	0.08	Ge
W-10.6-18-3	18	0.71	3	0.12	Znse
W-10.6-19-2	19	0.75	2	0.08	Znse/Ge
W-10.6-19-3	19	0.75	3	0.12	Znse
W-10.6-20-2	20	0.79	2	0.08	Znse/Ge
BRW-10.6-20-3	20	0.79	3	0.12	Ge
W-10.6-23-3	23	0.91	3	0.12	Znse/Ge
W-10.6-25-3C	25	0.98	3	0.12	Znse/Ge
W-10.6-25-4	25	0.98	3	0.12	Chinese Znse
W-10.6-25.4-3	25.4	1	3	0.12	Znse
W-10.6-27.9-3	27.9	1.1	3	0.12	Znse
W-D29.8-T11	29.8	1.17	11	0.43	Znse/Ge
BRW-10.6-30-3	30	1.18	3	0.12	Ge
W-10.6-38.1-3	38.1	1.5	3	0.12	Znse
W-10.6-38.1-4	38.1	1.5	4	0.16	Znse
BRW-10.6-38.1-5	38.1	1.5	5	0.2	Ge
W-10.6-50.8-3	50.8	2	3	0.12	Znse
W-10.6-50.8-4	50.8	2	4	0.16	Znse
W-10.6-50.8-5	50.8	2	5	0.2	Znse
BRW-10.6-63.5-4	63.5	2.5	4	0.16	Ge
W-10.6-63.5-5	63.5	2.5	5	0.2	Znse
W-10.6-63.5-6	63.5	2.5	6	0.24	Znse
W-10.6-63.5-6	63.5	2.5	6	0.24	Znse
BRW-10.6-63.5-9	63.5	2.5	9	0.35	Ge

W-10.6-75-5	75	2.95	5	0.2	Znse
W-10.6-75-6	75	2.95	6	0.24	Znse
W-10.6-75-8	76.2	3	8	0.31	Znse/Ge
BRW-10.6-75-9	75	2.95	9	0.35	Ge
W-10.6-80-3C	80	3.15	3	0.12	Chinese Znse
W-10.6-80-3	80	3.15	3	0.12	Znse
W-10.6-80-4	80	3.15	4	0.16	Znse
W-10.6-101-5	101	3.98	5	0.2	Znse
W-10.6-101-5.5	101	3.98	5.5	0.22	Znse
W-10.6-150-10	150	5.91	10	0.39	Znse

Remarks:

A. 1 inch=25.4mm

B. Customization for different sizes. Ge,Silicon, GaAs windows are also available.

Lens Cleaning

1.For light pollution (dust, fiber particles) were flexible cleaning.

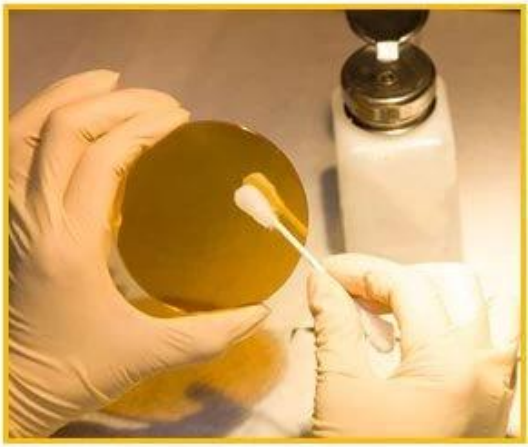
Using a blowing balloon, Blow off scattered contaminants on the surface of the optical element.

2.For light pollution (stains, fingerprints) were flexible cleaning.

Propanol, acetone glue with a cotton swab or alcohol to gently wipe the surface.

3.For moderately polluted (saliva, oil) in moderate–intensity cleaning.

Infiltrating distilled white vinegar with a cotton swab, wipe the surface a little pressure.



Packaging & Shipping

Packaging 1

Packaging 2

Packaging 3

Shipping 4

DHL EXPRESS

TNT

EMS

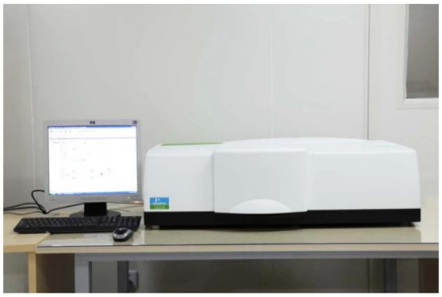
FedEx Federal Express

SF EXPRESS 顺丰速运

ups

TRIOPTICS OptiSpheric 2000 AF

---Testing EFL、R、Centering Error、Wedge Angle、BFL、MTF



PerkinElmer Lambda 950---Testing Transmission and Reflectivity

Carmanhaas Coating Machine

Inquiry
Reply
Contract
Receive payment & Product
Testing and packing
Delivery
Receiving

ups
DHL
WORLDWIDE EXPRESS
TNT
EMS
FedEx

慕尼黑上海光博会
LASER PHOTONICS CHINA
LASER PHOTONICS
Messe München
LASER PHOTONICS INDIA
卡门哈斯

SERIGRAFIA
SIGN
FUTURETEXTIL
Brazil
CARMAN HAAS LASER 1-121
CARMAN HAAS Laser
Technology (Suzhou) Co., Ltd.
4I16
Laser Korea 2019

MAKTEK
eurasia
Turkey
SIGNiSTANBUL
PEKLAMA
Russia
RAYLOGIC
YAROV
INTERNATIONAL PAVILION
CARMAN HAAS LASER
L-46
CARMAN HAAS LASER TECHNOLOGY CO., LTD.