

High Efficiency Anti Reflection 8μm-12μm

UCS_Ge_01

Productnumber: 2Ge000001

This coating is the standard anti-reflection coating for use in the 8-12μm waveband. Combining high transmission, low reflection and moderate environmental resistance, this coating is best suited for internal surfaces (I.S.) applications.
This coating contains no radioactive material.



Spectral - additional

Transmission (Average)	>98% 8μm-12μm, >95% 8μm-14μm	For a 1mm thick witness piece, coated both faces UCS_Ge_01.
Reflection (Average)	<0.5% 8μm-12μm, <1.0% 8μm-14μm	Per Surface, for a 1mm thick witness piece, coated with UCS_Ge_01.
Angle of Incidence	0°-20°	

Environmental Properties

Adhesion	MIL-C-48497A, 08/09/1980, para 4.5.3.1
Adhesion Remark	Tape Test
Humidity	MIL-C-48497A, 08/09/1980, para 4.5.3.2
Humidity Remark	49°C, 95-100% relative humidity 24Hrs
Abrasion	MIL-C-48497A, 08/09/1980, para 4.5.3.3
Abrasion Remark	Moderate, 50 strokes with a cheesecloth

Sizes

Up to 275mm diameter

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