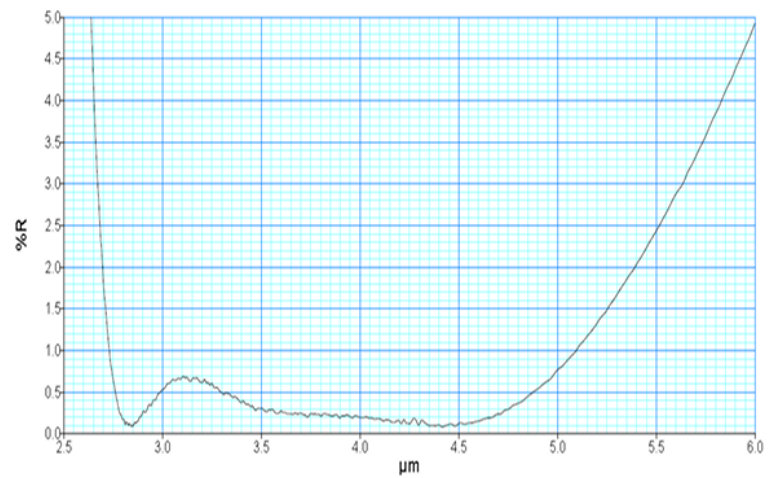
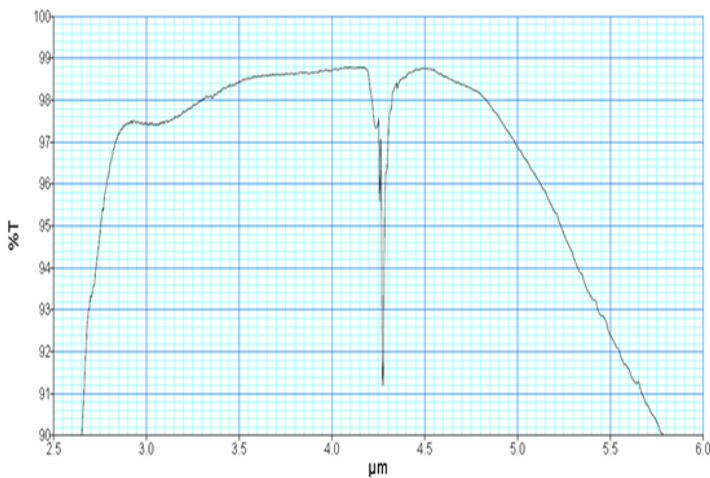


Optical Coating Specification

HEAR on Germanium 3.0-5.0μm

Transmission/Reflection Performance charts
G5 specification # 58 102



Specifications

Coating Specifications

Source Date	3/22/2022
Specification / Coating P/N	G5 Infrared Specification # 58 102
Coating Description	HEAR on Germanium 3.0 – 5.0μm
AOI	0-20 degree
Witness Configuration	For 1mm thick Ge witness piece coated both sides with G5 # 58 102
Transmission Requirement	3.2 - 5.0μm > 98% Average
Reflection Requirement	3.0 - 5.0μm < 0.4% Average, 1.0% Maximum
Thorium Status	Thorium Free

Environmental Qualification

Adhesion	Per MIL-C-48497A para 4.5.3.1
Abrasion	Per MIL-C-48497A para 4.5.5.1
Humidity	Per MIL-C-48497A para 4.5.3.2 24 hours
Solubility	Per MIL-C-48497A para 4.5.4.2
Salt spray	Per MIL-C-675C Para 4.5.9 for a period of 24 hours
Temperature cycle	Per MIL-C-48497A para 4.5.4.1

Notes

Notes	Thorium Free
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