CorActive
Specialty Optical Fiber Manufacturer

Infrared Glass Disks

PRODUCT DESCRIPTION

CorActive offers chalcogenide glass disks for use in AR coating application, non linear effect testing or in lens molding.

CorActive mid- to far-infrared glass disks is manufactured under an exclusive license agreement with the U.S. Naval Research Laboratory (NRL). NRL holds several key patents on infrared glass manufacturing technologies and processes.

Two chalcogenide glass compositions are offered:

IRT-SU: Sulphide glass (As_2S_3) series offer the lowest absorption in the 2-6μm region.
IRT-SE: Selenide glass (As_2Se_3) series features the broadest transmission range from 2μm up to 9μm.

ADVANTAGES

- Lowest optical losses on the market
- High power handling
- Wide operating range (up to 9μm)
- Highly reliable and consistent manufacturing process allows excellent batch-to-batch uniformity and reproducibility

APPLICATIONS

- Non Linear Effect Testing
- AR Coating
- Lens Molding

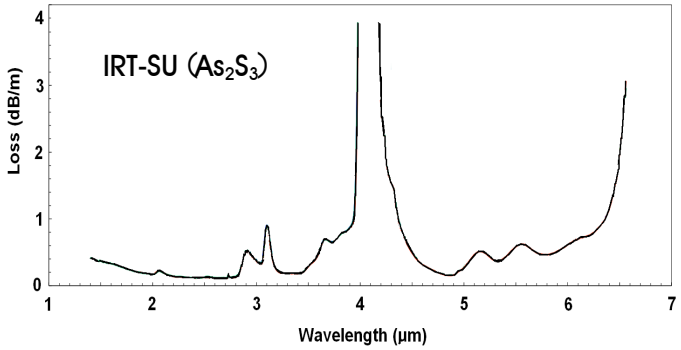
SPECIFICATIONS

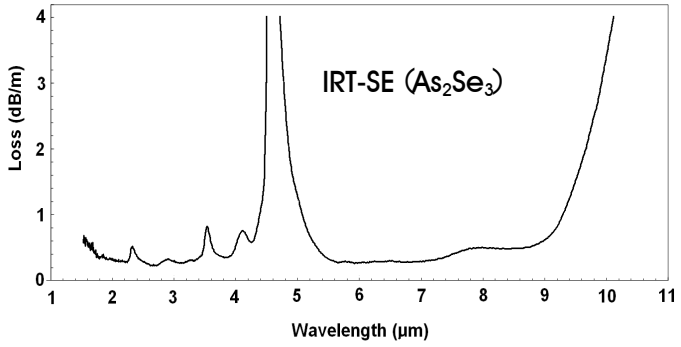
Optical	DSK-SU	DSK-SE
Transmission Range (μm)	2 to 6	2 to 9
Typical Core Refractive Index	2.4	2.7
Geometrical&Mechanical		
Glass Diameter Range (mm)	25	25
Glass Thickness Range (mm)	1-5	1-5
Double-sided Polished Surface	Optional	Optional
Environmental		
Chemical Resistance	Insoluble in water, concentrated hydrochloric acid, non-oxidizing acids, gasoline, toluol, alcohol and acetone	

STANDARD MODELS

Model Number	Glass Composition	Diameter (mm)	Thickness (mm)
DSK-SE-3-25	As_2Se_3	25	3
DSK-SU-3-25	As_2S_3	25	3

TRANSMISSION SPECTRA





All above specifications are subject to change without notice. BR0010r02 - 02/11