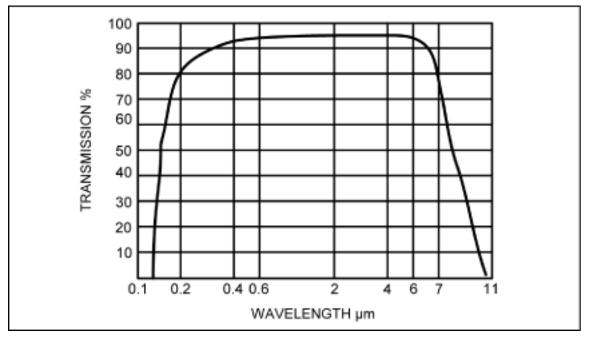
Calcium Fluoride Zero Length Viewports

Specification	
Seal Type	Bond
Maximum Temperature	120°C
Minimum Temperature	minus 20°C
Maximum Rate of Temperature Change	3°C per minute
Leak Rate	<1x10 ⁻¹⁰ atm-cc/sec (He)
Pressure Range	1 bar to 1x10 ⁻¹¹ mbar
Surface Quality	60 /40 scratch/dig
Flatness	λ/4

Calcium fluoride viewports are offered in CF flange styles. The clean, UHV CF versions are offered using 304L or 316LN stainless steel flanges. Non-magnetic viewports are offered as standard using annealed stainless-steel weld rings and high grade 316LN and CF flanges. The rugged, bonded construction of the calcium fluoride viewports allows bake-out to a maximum of 120°C with ultra-high vacuum (UHV) performance whilst the window offers extended broadband optical transmission from deep UV to the infra-red.

Annealed copper gaskets are available.

Transmission Curve - Calcium Fluoride



Please note that the optical transmission curves are approximations and should be used for reference only