

# ARCTIC 314 PRODUCT DATASHEET

## Target Applications

The ARCTIC 314 variable focus liquid lens is designed for 1/3" and 1/2.5" auto-focus imaging systems. The ARCTIC 314 is also used as a platform for Pacific liquid lens module designs where minimum module height is critical.



## Key Features

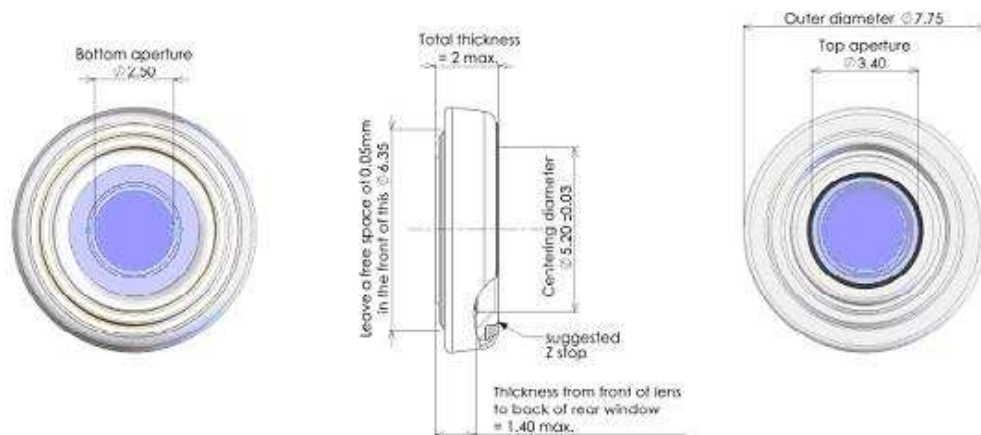
• Supports Continuous Autofocus for video up to 30 fps
• Silent
• Fast response time
• Focus range supports 10cm to infinity
• Easy to integrate – improved yields for camera module production

## Specifications

Typical performance at 25°C

• Low optical power	-2 dioptries ( $m^{-1}$ )
• High optical power	+10 dioptries ( $m^{-1}$ )
• Optical quality (Wave Front Error)	120 nm (rms)
• Transmission @ 587nm	97%
• Power consumption (equivalent to "actuator only")	0.1 mW
• Long life	> 1,000,000 cycles

• Storage Temperature	from -40 to 85°C
• Operating Temperature	from -20 to 60°C



For more detailed information on optical, mechanical, electrical performance and design, please contact [sales@varioptic.com](mailto:sales@varioptic.com).

