

## Target Applications

The ARCTIC 416 variable focus liquid lens is designed for 2 to 3 megapixel  $1/4$ " optical systems such as:  
 mobile phones, PDAs, barcode readers and webcams where its small size, large dynamic range and low wave front distortion will deliver outstanding performance, even in low light conditions.



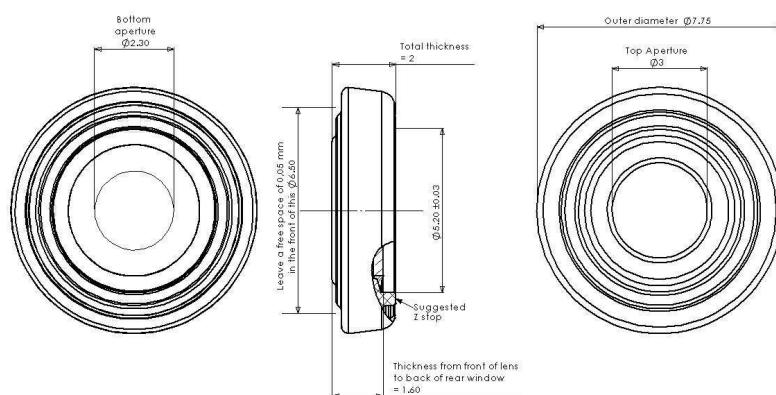
## Key Features

- Supports Continuous Auto focus 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	-5 dioptres ( $m^{-1}$ )
● High optical power	+13 dioptres ( $m^{-1}$ )
● Optical quality (Wave Front Error)	90 nm (rms)
● Transmission @ 587nm	97%
● Power consumption (equivalent to "actuator only")	1mW
● Long life	> 1,000,000 cycles
● Storage Temperature	from -40 to 85°C
● Operating Temperature	from -20 to 60°C



## Getting Started with Liquid Lenses

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

