

PRODUCTS

ARCTIC 416

PRODUCT DATASHEET

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.



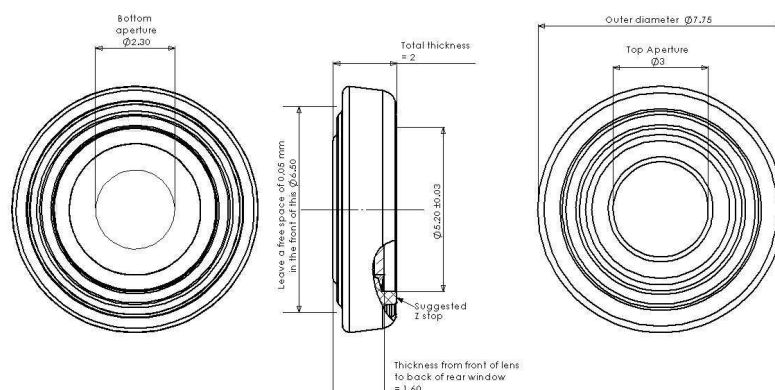
Key Features

•	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 dioptries (m^{-1})
•	High optical power	+13 dioptries (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.

