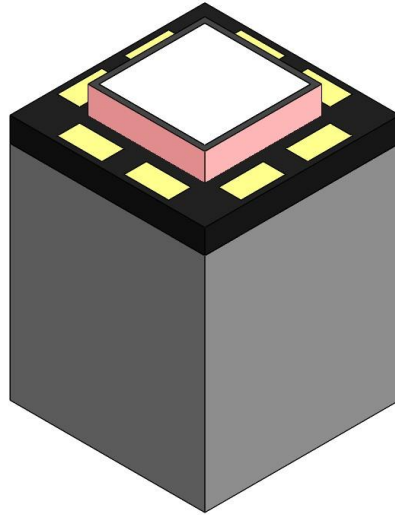




MiiS MCM Product Specifications



400x400 Micro-Camera Module Technical Specifications

Micro-Camera Module (MCM) is an All-In-One micro-camera solution for endoscope application and especially for the medical endoscopy. It has low voltage, high-performance, high sensitivity rolling shutter pixel and special design for medical endoscopic applications. MiiS applies the advanced wafer-level semiconductor package technology to integrate the micro-lens, CMOS image sensor (CIS), mini-LED, and high quality substrate to make this micro-camera module with ultra-small form factor. The micro-camera module delivers the signal through micro coaxial cables to a matched ISP and shows the high quality images, that is, makes a minimal size of endoscopes come true.



General Specifications

Table 2-1 MCC/MCM General Specifications

Parameters	Unit	Value	Remark
MCC Dimension	mm	Min. 1.8x1.8x2.4	
Resolutions	Pixels	400 x 400	
Field of View (Horizontal)	Degree	87.5	
Field of View (Diagonal)	Degree	120	
Depth of Field	mm	5 ~ 50	
Focal Length	mm	0.418	
TV Distortion	/	< 11%	@ 95% Field
LED Color and CCT	/	White	
Frame Rate	fps	30	

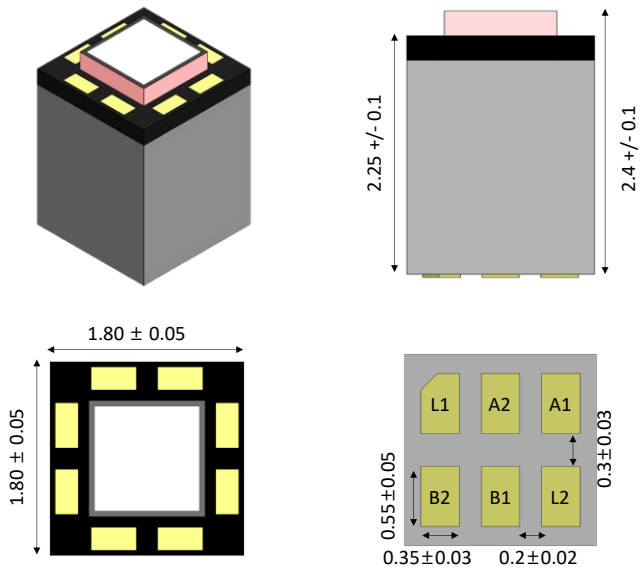
Table 2-2 MCC/MCM General Specifications

Parameters	Unit	Value	Remark
MCC Dimension	Mm	Min. 1.8x1.8x2.5	
Resolutions	Pixels	400 x 400	
Field of View (Horizontal)	Degree	68	
Field of View (Diagonal)	Degree	90	
Depth of Field	mm	7 ~ 50	
Focal Length	mm	0.505	
TV Distortion	/	< 5%	@ 95% Field
LED Color and CCT	/	White	
Frame Rate	fps	30	

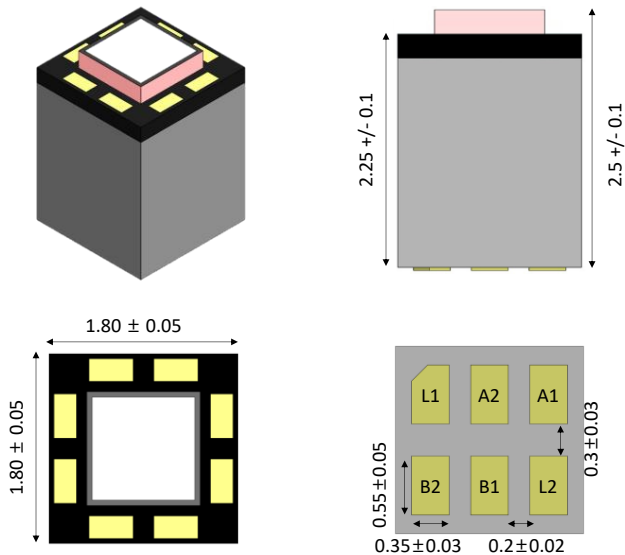


Mechanical Drawings

Model Name: MCCA160120 / PN: 1.A93031CDA00A



Model Name: MCCA160090 / PN: 1.A93041CDA-00A

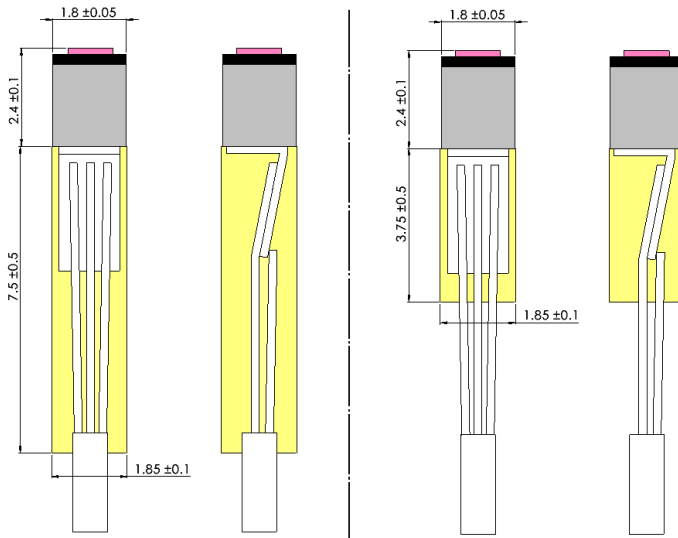


Notes:

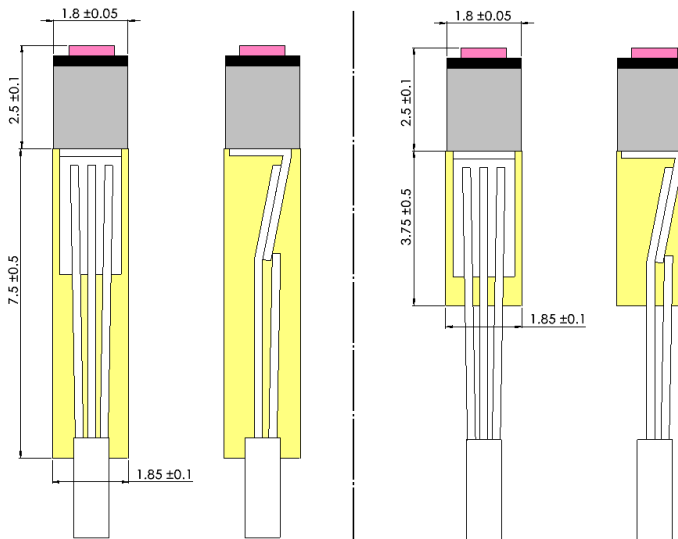
1. Dimensions are in millimeters.
2. Tolerances unless mentioned are ± 0.1 mm.



Model Name: MCMA160120 Series / PN: 1.B9303 Series



Model Name: MCMA160090 Series / PN: 1.B9304 Series



1. Dimensions are in millimeters.
2. Tolerances unless mentioned are ± 0.1 mm.