

## Mirrorcle Technologies MEMS Mirrors – Device Prices for US Sales\*\*

### 4-QUADRANT MEMS MIRRORS (BI-DIRECTIONAL TILT ON TWO-AXES):

Point-to-point or quasistatic two-axis MEMS mirrors with bi-directional tilt on each axis

	Actuator series	Integrated 0.8, 1.2 mm	Integrated 1.6 mm	Integrated 2.0, 2.4mm	Bonded 0.8, 1.2 mm	Bonded 1.6 - 2.4 mm	Bonded 3.0, 3.6 mm	Bonded 4.2 mm	Bonded 5.0 mm
4.25mm Actuator	A1xx, A3xx	\$399.00	\$459.00	-	\$529.00	\$609.00	\$699.00	-	-
5.20mm Actuator	A7Mx, A7Bx	\$428.00	-	\$528.00	\$568.00	\$648.00	\$738.00	\$788.00	-
7.25mm Actuator	A5M24*, A5L2	-	-	*\$617.00	-	\$707.00	\$797.00	\$847.00	\$917.00
7.25mm Actuator	A8L1	-	-	-	-	\$667.00	\$757.00	\$807.00	\$877.00
8.00mm Actuator	A4SR8, A4Qx8	-	-	-	-	\$836.00	\$926.00	\$976.00	\$1,046.00

### SINGLE-AXIS MEMS MIRRORS (BI-DIRECTIONAL TILT ON X-AXIS):

Point-to-point or quasistatic single-axis MEMS mirrors with bi-directional tilt on the X-axis.

Use the above table for 4-Quadrant devices to find the price of the equivalent size actuator/mirror combination and subtract \$60 for the single-axis version. Any of the above-mentioned 4-quadrant MEMS mirrors can be converted to become single-axis by mechanically restricting their Y-axis.

Resonant single-axis MEMS mirrors with bi-directional tilt on the X-axis.

	Actuator series	Integrated 0.8mm (21kHz)	Integrated 1.0mm (15kHz)	Integrated 1.2mm (12kHz)	Bonded 0.8 - 1.2 mm	Bonded 1.6 - 2.4 mm	Bonded 3.0, 3.6 mm	Bonded 4.2 mm	Bonded 5.0 mm
4.25mm Actuator	A1Rx	\$359.00	\$369.00	\$399.00	-	-	-	-	-
5.20mm Actuator	A9Rx	\$418.00	-	\$438.00	\$528.00	-	-	-	-
7.25mm Actuator	A5L2.1S	-	-	-	-	\$657.00	\$747.00	\$797.00	\$867.00
8.00mm Actuator	A4R8.2	-	-	-	-	\$786.00	\$876.00	\$926.00	\$996.00

Each MEMS mirror is delivered with a characterization report (datasheet) with ramp and step responses, overall scan look-up table, frequency response, and driving recommendations (MEMS Controller settings). Minimum order value (MOV): **\$1,600** (does not apply within 1 year of [development kit](#) purchase) - order includes all jointly purchased items such as MEMS devices, controllers, drivers, mounts, etc.

#### ADD-ONS:

Prices apply for DIP24 packaging - for connectorized **TinyPCB** packaging (TINY20, TINY48), **add \$50/device**. Prices apply for Aluminum coating – for gold coating (not available for all products), **add \$50/device**. For an optical characterization of the mirror on a 3D Optical Microscope and delivery of data, **add \$75/device**. Orders below Minimum order value (MOV) may be approved with a processing fee of **\$150/order**. Credit-card orders are accepted with an additional **3.5%** fee (4.0% for international orders).

#### DISCOUNTS\*:

Above prices apply for orders of 1-4 devices. Purchases of 5-9 devices of the same type receive 10% discount. Purchases of any devices by a group which has purchased a development kit within the previous 12 months will receive 8% discount.

Purchases from educational institutions such as universities will receive 10% discount (MOV must be met).

\*Maximum of two discounts apply to any one purchase. Our sales team makes final determination of eligibility.

Estimated\*\* discounts for larger orders ([Contact us](#) for a customized quotation with additional discount)

1000 units per order – 40% reduction (bonded mirror), 50% reduction (integrated mirror)

10000 units per order – 70% reduction (bonded mirror), 75% reduction (integrated mirror)

\*\*Exact volume pricing depends on the device type, packaging, testing, and delivery requirements and other factors and will therefore be determined on a case by case basis in a formal quotation.

\*\*All prices are US domestic list price FOB Richmond, CA.

This document was last updated on May 8<sup>th</sup>, 2017. Prices and products are subject to change without prior notice. For the most up-to-date availability and pricing please [request an official quotation](#).