

DUAL AXES MAGNETIC MIRRORS

OVERVIEW

The **recalo** magnetic deflection units are used for optical beam steering and scanning. The 2-D mirror has a reflective surface of 2.5 x 3.6 mm.

Using magnetic actuation, the deflection angle is set linearly with the driving current. The mirror is designed for DC operation as well as scanning.

FEATURES

- 2 actuation Axes
- ±4° (up to 5°)
- Linear control

APPLICATIONS

- 2D Static and dynamic Optical Beam Steering
- 2D Optical Scanner
 Device

ORDERING INFORMATION

MM-2536-2-AU 2.5x3.6mm Gold surface finish

MM-2536-2-AL 2.5x3.6mm Aluminum surface finish

CONTACT

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	Unit	Min	Тур	Max
Max actuation Current	mΑ			200
Max actuation Power	W			1
Surface finish	-	Gold or Aluminium		
Reflectivity (800-2000 nm)	%	95		
Mirror Size (A x B)	mm^2		2.5 x 3.6	
Mirror Flatness (ROC)	m	10		
Tilt Angle DC (mechanical)	deg	± 4°		(up to 5°)
Resonance Frequency X	Hz	350	390	
Resonance Frequency Y	Hz	200	240	
Angle of Incidence	deg			45
Operating Temperature	°C	-5		85
Storage Temperature	°C	-40		85

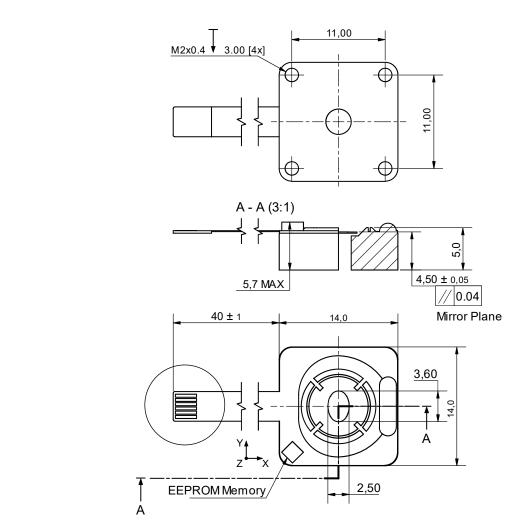


Figure 1: Mechanical layout for MM2536-2 Deflection Unit (units = mm)