

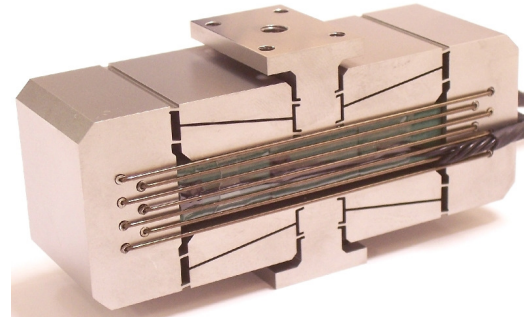
FPA-0550EHK-P-2054-150-SS-4M3

FlexFrame PiezoActuator™



Description

DSM's FPA is a flexure guided piezoelectric actuator useful for both dynamic and static applications. Custom mounting conditions can be integrated into the design. "E" version actuators expand when they are energized.



Specifications

		Units	Tolerance
Motion Direction	Expanding		
Nominal Travel, 0V to 150V	448	µm	Min 380
Nominal Travel, -30V to 150V	560	µm	Min 476
Nominal Stiffness	2.6	N/µm	Min 2.21
Unloaded Resonant Frequency	365	Hz	±15%
Blocked Force*	1165	N	
Capacitance	39.60	µF	±20%
Material	Stainless Steel		
Mass**	559	g	
Electrical Interface	Flying leads		
Mechanical Interface	4x Pattern M3x0.5		
Height	43	mm	
Width	87	mm	
Depth	30	mm	

* Blocked force calculated as [Stiffness x Travel Range at 0V to 150V]

** Mass stated for reference

Options

- Integrated Position Sensor
- Vacuum Compatibility
- Custom Mounting Holes
- Custom wire lengths and connectors
- Non-Magnetic compatibility