

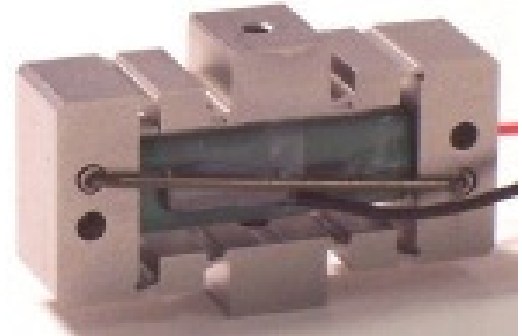
# FPA-0085E-S-0518-150-SS-1M3

## 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	68	μm	Min 57
Nominal Travel, -30V to 150V	85	μm	Min 72
Nominal Stiffness	2.5	N/μm	Min 2.12
Unloaded Resonant Frequency	1620	Hz	±15%
Blocked Force*	170	N	
Capacitance	1.60	μF	±20%
Material	Stainless Steel		
Mass**	21	g	
Electrical Interface	Flying leads		
Mechanical Interface	Single M3x0.5 on center		
Height	15	mm	
Width	28	mm	
Depth	10	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