

HA200 Haptic Actuator

HA200 Specifications

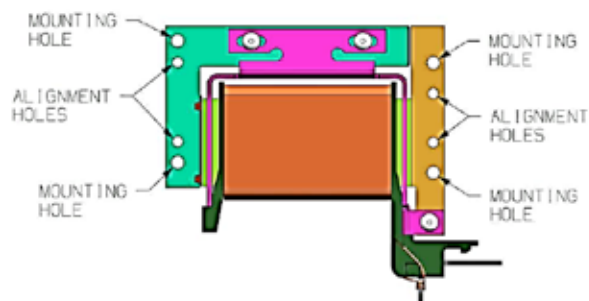
Part Number	382576-003	
Description	The Johnson Electric HA200 actuator adds tactile feedback to touch screens with software incorporated under license from Immersion Corporation (see www.immersion.com). The HA200 can be utilized in many applications that include automotive interior devices, gaming devices, training simulators, industrial equipment visual displays and medical device displays	
Performance Data	Intermittent Duty Cycle	20% duty cycle @ 12 VDC
	Rated Life	10 million cycles
	Response Time	6 - 10 ms
	Static Displacement	0.21 mm - 0.39 mm
	Noise	45 dBA Max @ 45 cm
	Return Spring Rate	26 N/mm (reference)
Electrical Data	Coil Resistance @ 20° C	7.6 Ω \pm 10%
	Operating Voltage	9 - 16 VDC
Mechanical Data	Dimensions	55 mm x 46 mm x 8 mm (w x h x thickness)
	Total Weight	44 grams
	Operating Temperature	-40 to +85°C, 60% RH non-condensing
	Mating Terminal	Molex – P/N: 08-51-0108
	Mating Connector Housing	Molex – P/N: 22-01-2027



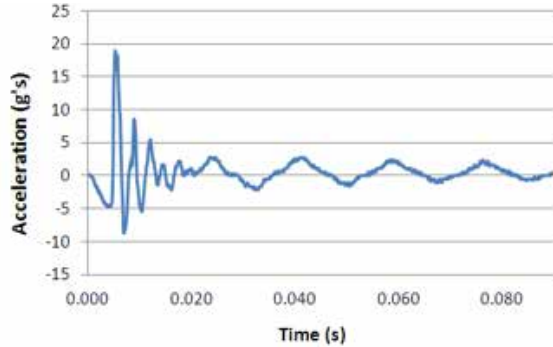
Notes:

All data is typical
All specifications subject to change without notice
Other voltages available on request
This is a no load supporting device
Units can be combined together for higher loads

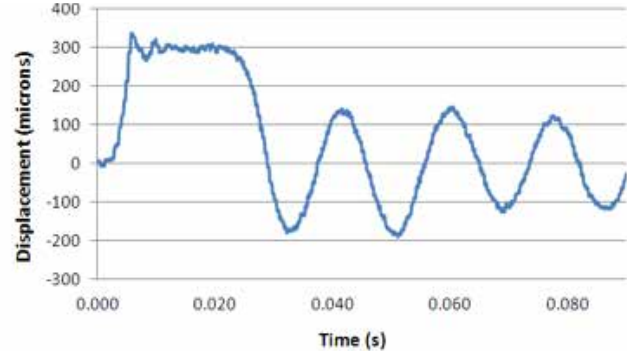
Mounting Guide



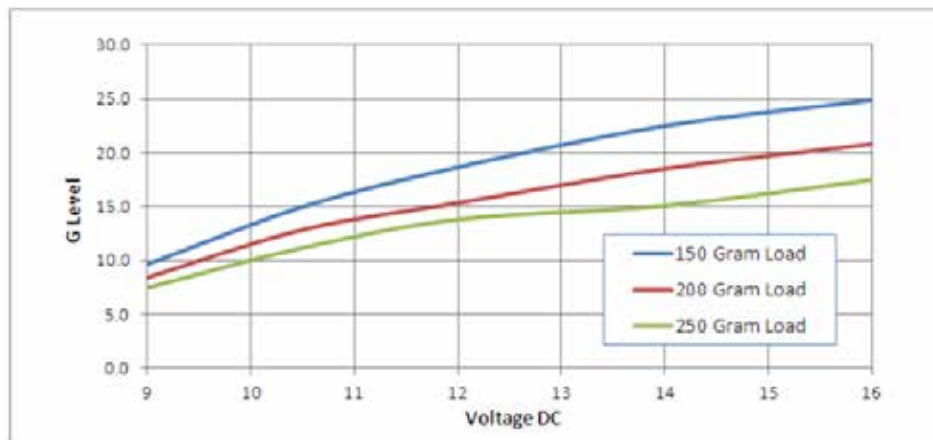
Typical Acceleration @ 12VDC @ 20° C



Typical Displacement @ 12VDC @ 20° C



Typical Acceleration with Load @ 12VDC @ 20° C



Dimensions (mm)

