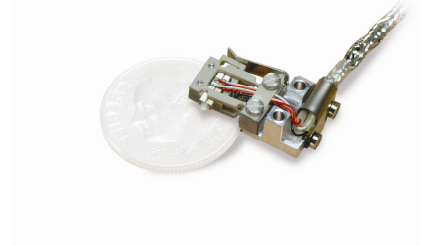


MM Motor

Performance

Maximum Allowable Velocity:	250 [mm/sec]
Dynamic Stall Force:	170 [mN]
Static Holding Force	160[mN] (reference value)
Non-Energized Stiffness	0.04 [N/ μ]
Nominal Preload on Stage	0.9 [N]
Kf	25 to 35 [mN/Volt command] - Driver and command dependant
Kfv	0.5 to 0.8 [N · sec/m]
Offset	2 [V] - Driver dependant
Attainable Resolution	Better than 50 nm – See application notes
Nominal Lifetime	20,000 hours under nominal operating conditions



Electrical

Maximal Voltage:	70Vrms, sine wave
Maximal Current consumption:	18 mA rms (Cable length dependant)
Maximal Power Consumption:	350mW

Environmental

Ambient Temperature:	0 - 50°C
Storage:	-40°C - +70°C
Humidity:	0 - 80% non condensing
Residual Magnetism	0.22 nT
Vacuum Compatibility	1E-7 Torr. Guaranteed after baking
Bake Out	Max 24 Hr @ 120°C

Physical Dimensions

Weight:	5.5 gr
Maximum continuous operation at 3.5–10V command	4 sec
Maximum duty-cycle at 10V command	10%

