

Model	Units	AVM 40-HF-6.5
Stroke	mm	6.5
Force sensitivity (at mid stroke)	N/A	20.70
Back EMF constant	V/m/s	20.70
Continuous force (at 100 °C) ¹	N	16.56
Peak force	N	93.2
Resistance ²	ohms	11.3
Inductance ²	mH	4.47
Voltage at peak force	V	50.9
Continuous current (coil at 100 °C)	A	0.80
Peak current	A	4.50
Actuator constant	N/SqRt(W)	6.16
Continuous power	W	7.24
Electrical time constant	ms	0.395
Mechanical time constant	ms	1.795
Clearance of coil	mm	0.60
Power at peak force	W	229.0
Thermal dissipation constant	W/°C	0.097
Max coil temperature	°C	100.0
Coil assembly mass	g	68.0
Core assembly mass	g	218.7

1. Continuous force measured without any additional mounting plate or heat sink on coil
2. measured at 25 °C

AVM40-HF-6.5

