

Model	Units	AVM 50-HF-10
Stroke	mm	10
Force sensitivity (at mid stroke)	N/A	28.00
Back EMF constant	V/m/s	28.00
Continuous force (at 100 °C) <sup>1</sup>	N	33.60
Peak force	N	140.0
Resistance <sup>2</sup>	ohms	8.6
Inductance <sup>2</sup>	mH	5.30
Voltage at peak force	V	43.2
Continuous current (coil at 100 °C)	A	1.20
Peak current	A	5.00
Actuator constant	N/SqRt(W)	9.53
Continuous power	W	12.44
Electrical time constant	ms	0.613
Mechanical time constant	ms	1.631
Clearance of coil	mm	0.60
Power at peak force	W	216.0
Thermal dissipation constant	W/°C	0.166
Max coil temperature	°C	100.0
Coil assembly mass	g	148
Core assembly mass	g	553

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

## AVM50-HF-10

