

# AVM90-HF-10

Model	Units	AVM 90-HF-10
Stroke	mm	10
Force sensitivity (at mid stroke)	N/A	43.62
Back EMF constant	V/m/s	43.62
Continuous force (at 100 °C) <sup>1</sup>	N	152.67
Peak force	N	610.7
Resistance <sup>2</sup>	ohms	2.9
Inductance <sup>2</sup>	mH	3.59
Voltage at peak force	V	40.6
Continuous current (coil at 100 °C)	A	3.50
Peak current	A	14.00
Actuator constant	N/SqRt(W)	25.61
Continuous power	W	35.53
Electrical time constant	ms	1.238
Mechanical time constant	ms	1.463
Clearance of coil	mm	0.65
Power at peak force	W	568.4
Thermal dissipation constant	W/°C	0.474
Max coil temperature	°C	100.0
Coil assembly mass	g	960.0
Core assembly mass	g	2400.0

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

