

Model	Units	AVM 100-HF-10
Stroke	mm	10
Force sensitivity (at mid stroke)	N/A	55.00
Back EMF constant	V/m/s	55.00
Continuous force (at 100 °C) <sup>1</sup>	N	192.50
Peak force	N	770.0
Resistance <sup>2</sup>	ohms	3.2
Inductance <sup>2</sup>	mH	4.12
Voltage at peak force	V	44.8
Continuous current (coil at 100 °C)	A	3.50
Peak current	A	14.00
Actuator constant	N/SqRt(W)	30.75
Continuous power	W	39.20
Electrical time constant	ms	1.288
Mechanical time constant	ms	1.182
Clearance of coil	mm	0.65
Power at peak force	W	627.2
Thermal dissipation constant	W/°C	0.523
Max coil temperature	°C	100.0
Coil assembly mass	g	1117.0
Core assembly mass	g	3300.0

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

## AVM100-HF-10

