

Model	Units	AVM35-HF-7
Stroke	mm	7
Force sensitivity (at mid stroke)	N/A	16.00
Back EMF constant	V/m/s	16.00
Continuous force (at 100 °C) <sup>1</sup>	N	14.40
Peak force	N	72.00
Resistance <sup>2</sup>	ohms	9.8
Inductance <sup>2</sup>	mH	3.60
Voltage at peak force	V	44.1
Continuous current (coil at 100 °C)	A	0.90
Peak current	A	4.50
Actuator constant	N/SqRt(W)	5.11
Continuous power	W	7.14
Electrical time constant	ms	0.367
Mechanical time constant	ms	2.029
Clearance of coil	mm	0.50
Power at peak force	W	198.5
Thermal dissipation constant	W/°C	0.095
Max coil temperature	°C	100.0
Coil assembly mass	g	53.0
Core assembly mass	g	146.8

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

## AVM35-HF-7

