

Model	Units	AVM19-5
Stroke	mm	5
Force sensitivity (at mid stroke)	N/A	1.75
Back EMF constant	V/m/s	1.75
Continuous force (at 100 °C) ¹	N	1.75
Peak force	N	7.88
Resistance ²	ohms	2.23
Inductance ²	mH	0.27
Voltage at peak force	V	10.04
Continuous current (coil at 100 °C)	A	1.00
Peak current	A	4.50
Actuator constant	N/SqRt(W)	1.17
Continuous power	W	2.23
Electrical time constant	ms	0.12
Mechanical time constant	ms	6.55
Clearance of coil	mm	0.40
Power at peak force	W	45.16
Thermal dissipation constant	W/°C	0.030
Max coil temperature	°C	100
Coil assembly mass	g	9.0
Core assembly mass	g	23.8

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

AVM19-5

