

AVM12-6.4

Model	Units	AVM12-6.4
Stroke	mm	6.4
Force sensitivity (at mid stroke)	N/A	0.57
Back EMF constant	V/m/s	0.57
Continuous force (at 100 °C)	N	0.91
Peak force	N	3.53
Resistance ¹	ohms	1.13
Inductance ²	mH	0.09
Voltage at peak force	V	7.01
Continuous current (coil at 100 °C)	A	1.60
Peak current	A	6.20
Actuator constant	N/SqRt(W)	0.54
Continuous power	W	2.89
Electrical time constant	ms	0.08
Mechanical time constant	ms	17.39
Clearance of coil	mm	0.35
Power at peak force	W	43.44
Thermal dissipation constant	W/°C	0.039
Max coil temperature	°C	100
Coil assembly mass	g	5.0
Core assembly mass	g	7.3

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

