

AVM250-D-HF-20

Model	Units	AVM250-HF-20
Stroke	mm	20
Force sensitivity (at mid stroke)	N/A	168.4
Back EMF constant	V/m/s	168.4
Continuous force (at 100 °C) ¹	N	1111.4
Peak force	N	4715.2
Resistance ²	ohms	3.7
Inductance ²	mH	5.0
Voltage at peak force	V	103.6
Continuous current (coil at 100 °C)	A	6.60
Peak current	A	28.00
Actuator constant	N/SqRt(W)	87.55
Continuous power	W	161.17
Electrical time constant	ms	1.351
Mechanical time constant	ms	0.770
Clearance of coil	mm	0.9
Power at peak force	W	2900.8
Thermal dissipation constant	W/°C	2.149
Max coil temperature	°C	100.0
Coil assembly mass	g	5900.0
Core assembly mass	g	27200.0

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

Connections (7 wires)
Motor +
Motor +
Motor -
Motor -
PT100 (+)
PT100 (-)
Earth

