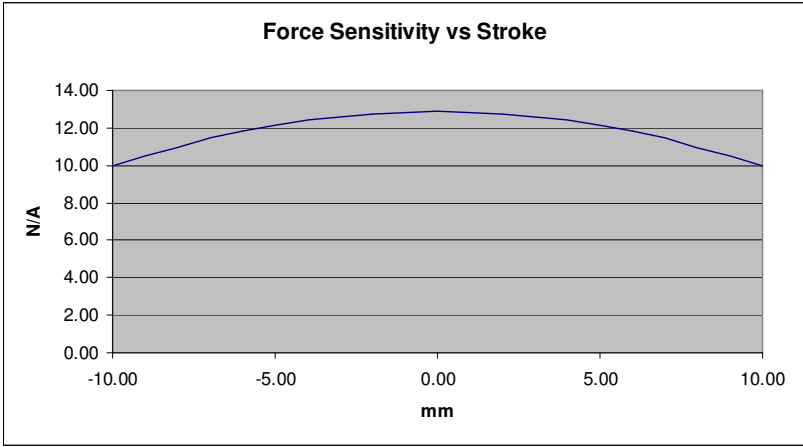
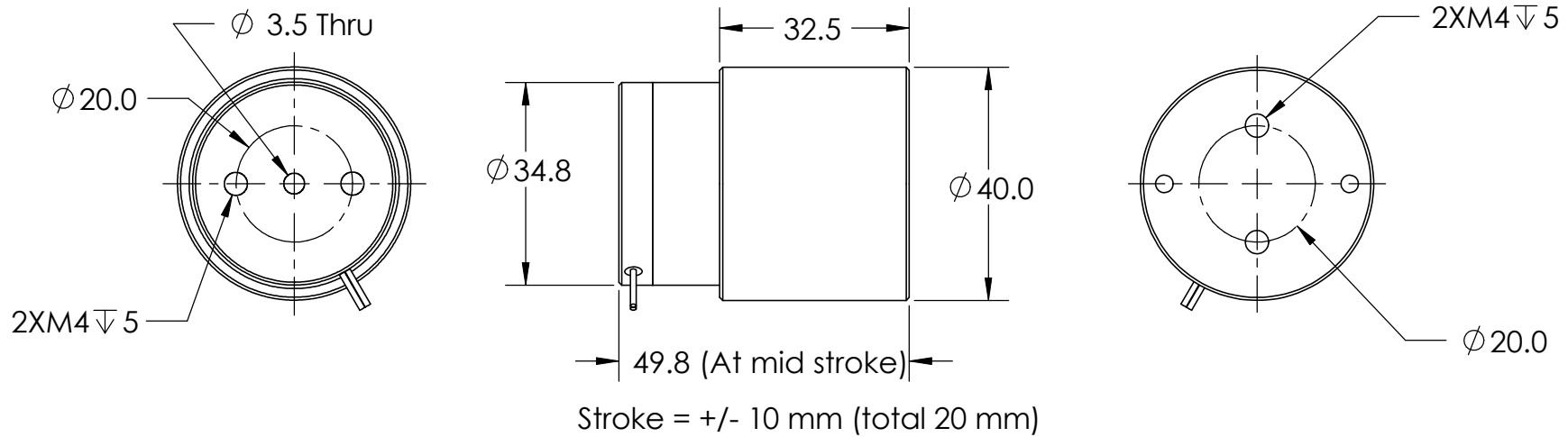


Model	Units	AVM 40-20
Stroke	mm	20
Force sensitivity (at mid stroke)	N/A	12.90
Back EMF constant	V/m/s	12.90
Continuous force (at 100 °C)*	N	9.93
Continuous force (at 155 °C)*	N	13.16
Peak force	N	58.1
Resistance	ohms	11.0
Inductance	mH	6.22
Recommended bus voltage	V	60.0
Voltage at peak force	V	49.5
Continuous current (coil at 100 °C)*	A	0.77
Continuous current (coil at 155 °C)*	A	1.02
Peak current	A	4.5
Actuator constant	N/SqRt(W)	3.89
Electrical time constant	ms	0.6
Mechanical time constant	ms	4.2
Clearance of coil	mm	0.60
Power at peak force	W	222.8
Max coil temperature	°C	155.0
Coil assembly mass	g	63.3
Core assembly mass	g	205.0



\* Continuous force measured without any additional mounting plate or heat sink on coil.



REVISION	3rd angle projection Dimensions in mm .X +/- 0.05 X +/- 0.5	TITLE:	<b>AVM40-20</b>	
MATERIAL:		DWG NO.		A4
DATE	12 Sept 2005	SCALE:1:5	SHEET 1 OF 1	