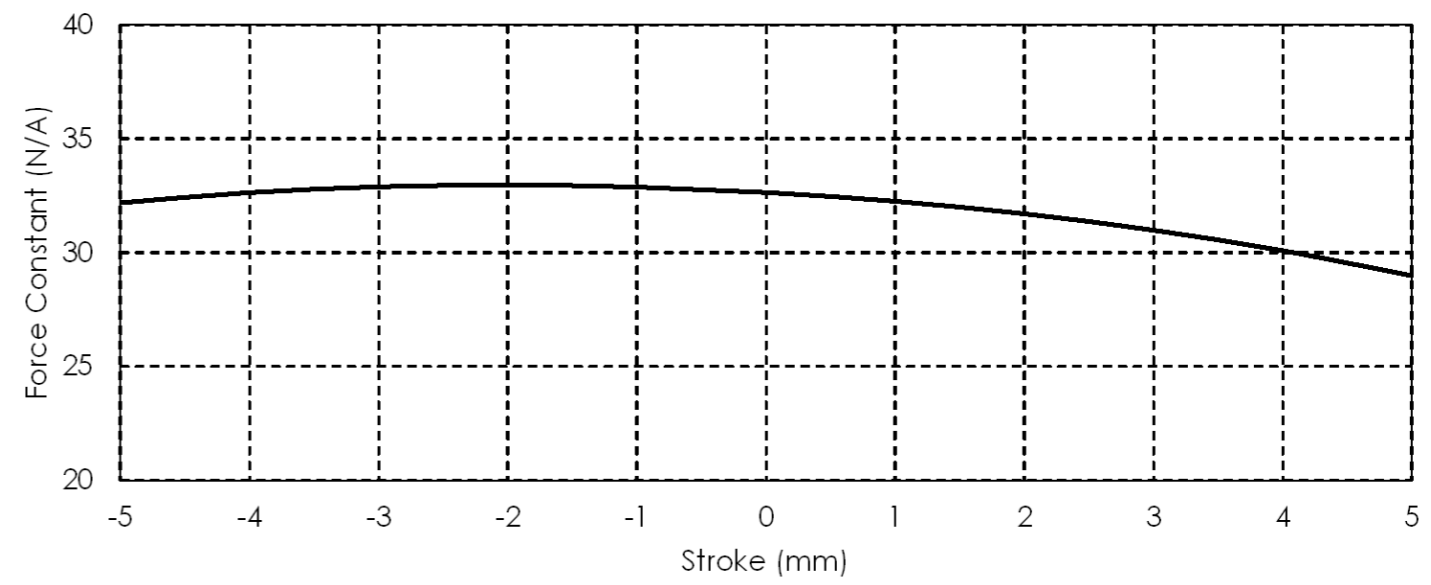


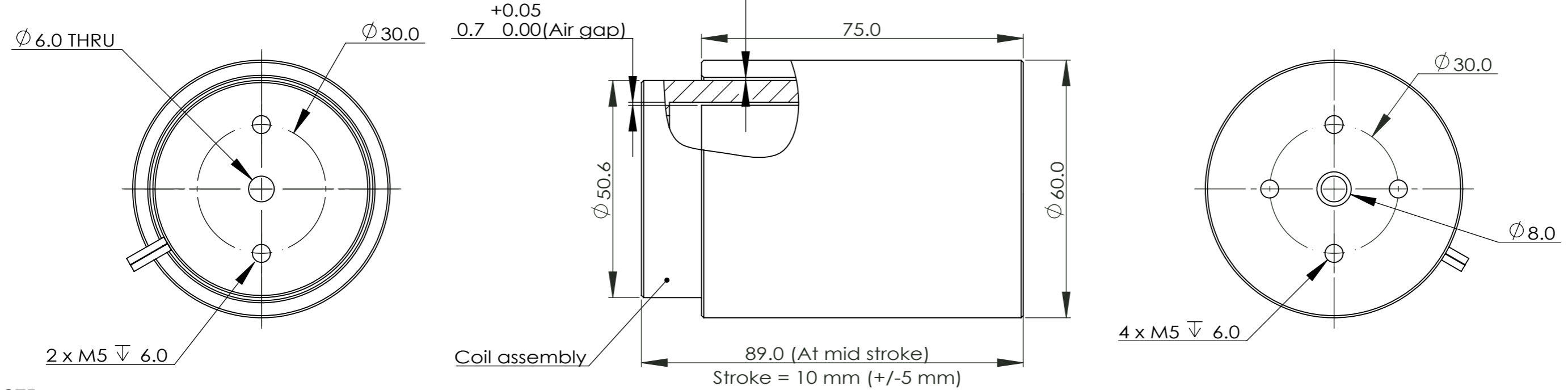
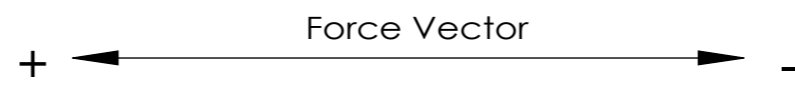
Performance Parameters	Symbol	Unit	AVM60-HF-10
Stroke	S	mm	10.0
Continuous Force @100°C ^{[1][2]}	F _c	N	52.2
Peak Force ^[2]	F _{pk}	N	223.7
Force Constant ±10% ^[2]	K _f	N/A	32.6
Back EMF Constant ±10% ^[2]	K _e	V/(m/s)	32.6
Motor Constant @25°C ^[2]	K _m	N/Sqrt(W)	13.3
Resistance @25°C ±10% ^[3]	R ₂₅	Ω	5.98
Inductance ±20% ^[4]	L	mH	4.33
Electrical Time Constant	T _e	ms	0.72
Continuous Current @100°C ^[1]	I _c	A	1.6
Peak Current	I _{pk}	A	7.0
Continuous Power Dissipation @100°C ^[1]	P _c	W	19.7
Max. Coil Temperature	t _{max}	°C	100
Thermal Dissipation Constant ^[1]	K _{th}	W/°C	0.263
Max. Voltage	U _{max}	Vdc	60
Coil Mass	m _{coil}	g	236.5
Core Mass	m _{core}	g	997.0
Running Clearance	L _{gap}	mm	0.70

AVM60-HF-10

REV	DESCRIPTION	BY	DATE	APPD
0	INITIAL RELEASE	WSM	2021/10/26	YX



[1] Measurement is taken at ambient temperature 25°C. Value depends on the thermal environment.
 [2] The values are at mid stroke.
 [3] Resistance is measured by DC current with 0.5 m lead wire.
 [4] Inductance is measured by current frequency of 1 kHz.
 The contents of datasheet are subject to change without prior notice.



NOTE:
 1. LEAD WIRE (Rohs, Reach applicable) : 22 AWG , Number of strands : 1
 Insulation O.D.=1.24 mm , Color : white and black , Bending radius: 10 mm ;
 2. The default cable length is 0.5 m; Coming with flying leads, which can be used in cablecovey for motion ;
 3. A positive(+) voltage applied to the white lead will produce a force on the coil assembly in the positive(+) direction

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	GENERAL TOLERANCE X ± 0.25mm X.X ± 0.1mm X.XX ± 0.05mm X.XXX ± 0.025mm	3rd ANGLE PROJECTION	Drawn	WSM		2021/10/25
			Checked	YH		2021/10/26
			Approved	YX		2021/10/26
			Material	NA		
			Surface Treatment	NA		
Heat Treatment	NA					
Quantity	NA					
		Model:	AVM60-HF-10_Customer Drawing			
		Title :	AVM60-HF-10_Customer Drawing			
		Dwg No:	AVM60-HF-10			
		Sheet:	1 OF 1	Rev: 0		