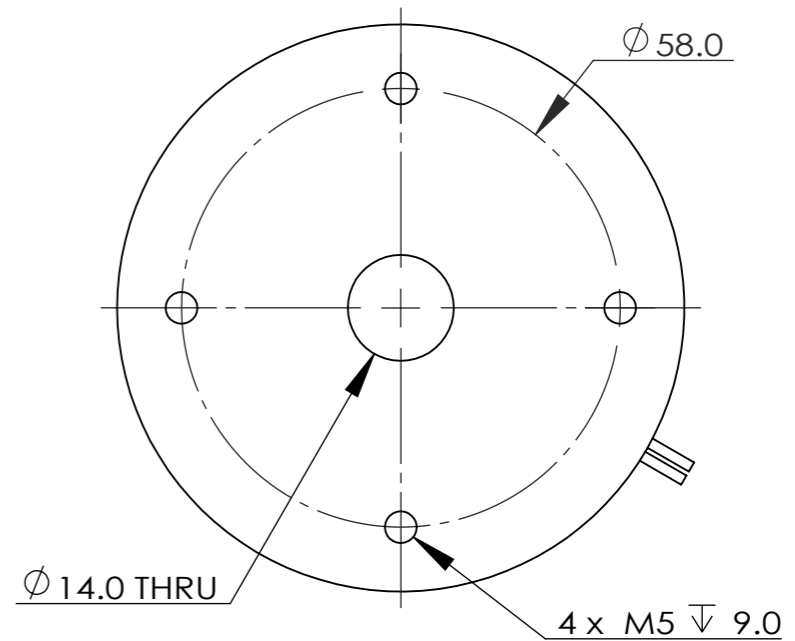
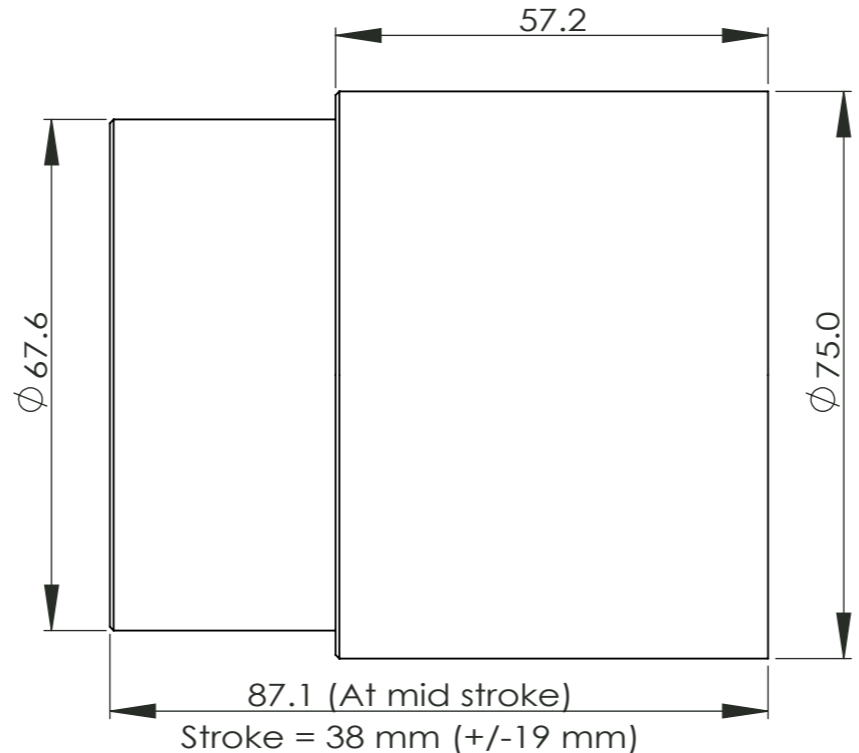
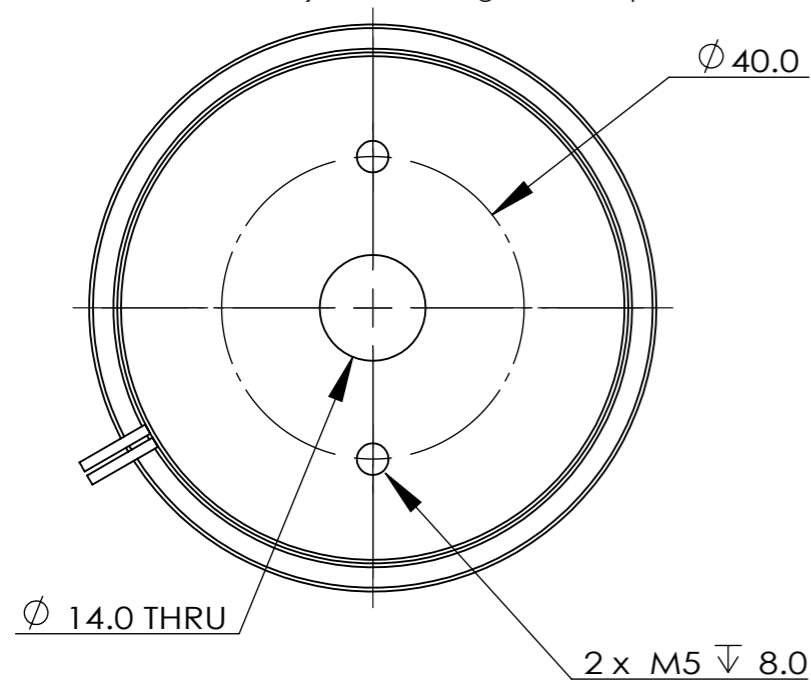
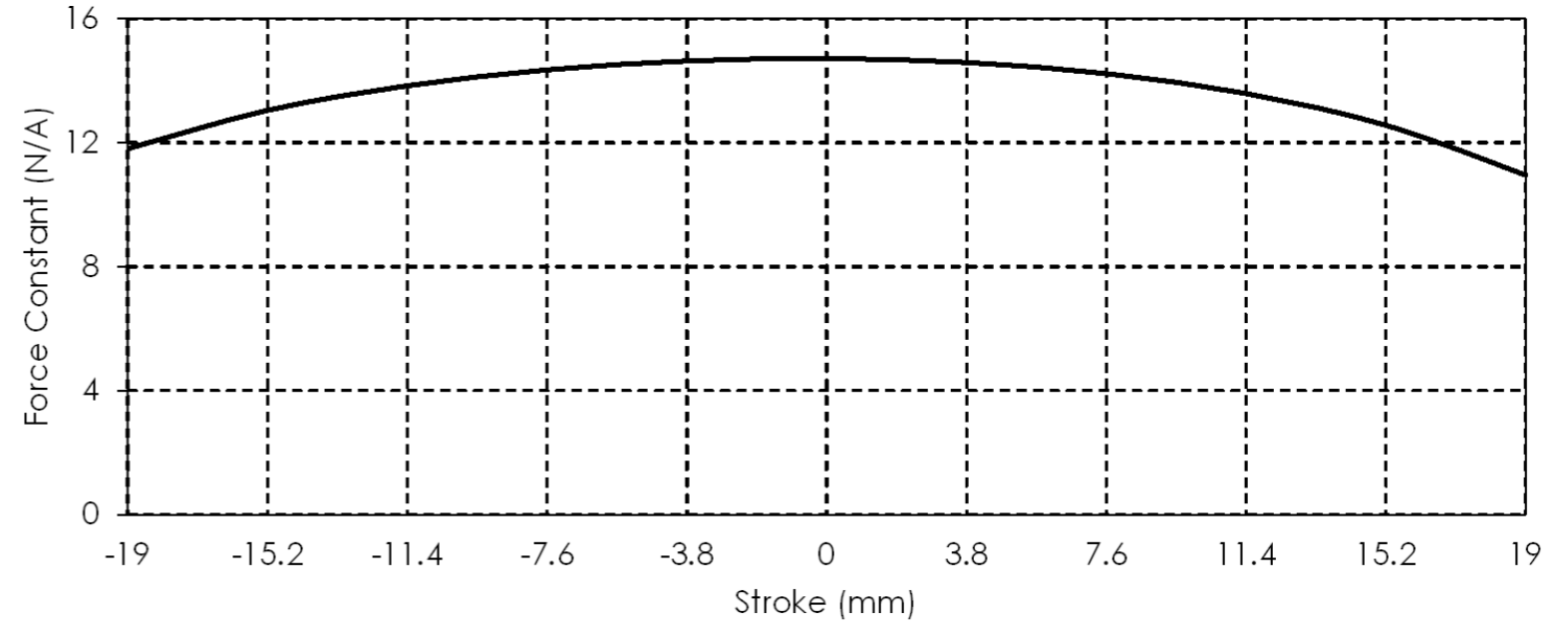


Performance Parameters	Symbol	Unit	AVM75-38
Stroke	S	mm	38.0
Continuous Force @100°C ^{[1][2]}	F _c	N	52.2
Peak Force ^[2]	F _{pk}	N	223.7
Force Constant ±10% ^[2]	K _f	N/A	15.8
Back EMF Constant ±10% ^[2]	K _e	V/(m/s)	15.8
Motor Constant @25°C ^[2]	K _m	N/Sqrt(W)	11.13
Resistance @25°C ±10% ^[3]	R ₂₅	Ω	2.02
Inductance ±20% ^[4]	L	mH	1.99
Electrical Time Constant	T _e	ms	0.99
Continuous Current @100°C ^[1]	I _c	A	3.3
Peak Current	I _{pk}	A	14.0
Continuous Power Dissipation @100°C ^[1]	P _c	W	28.3
Max. Coil Temperature	t _{max}	°C	100.0
Thermal Dissipation Constant ^[1]	K _{th}	W/°C	0.38
Max. Voltage	U _{max}	Vdc	60.0
Coil Mass	m _{coil}	g	520.0
Core Mass	m _{core}	g	1236.0
Running Clearance	L _{gap}	mm	0.5

[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.

AVM75-38

REV	DESCRIPTION	BY	DATE	APPD
0	INITIAL RELEASE	WSM	2021/10/26	YX
1	电阻2.2改到2.02, 电感1.82改到1.99, 线圈质量704改到520	WSM	2022/5/9	YX



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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:	AVM75-38_Customer Drawing			
		Title:	AVM75-38_Customer Drawing			
		Dwg No:	AVM75-38			
		Sheet:	1 OF 1	Rev:	0	