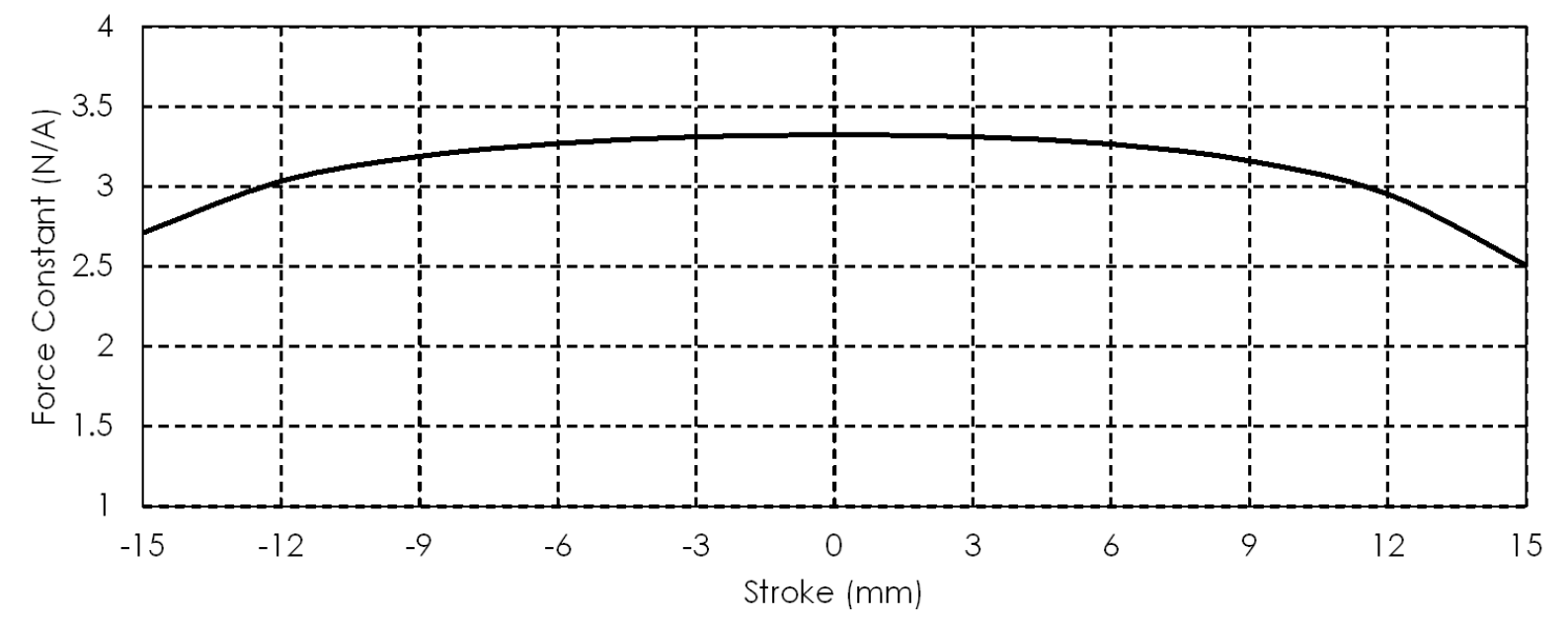


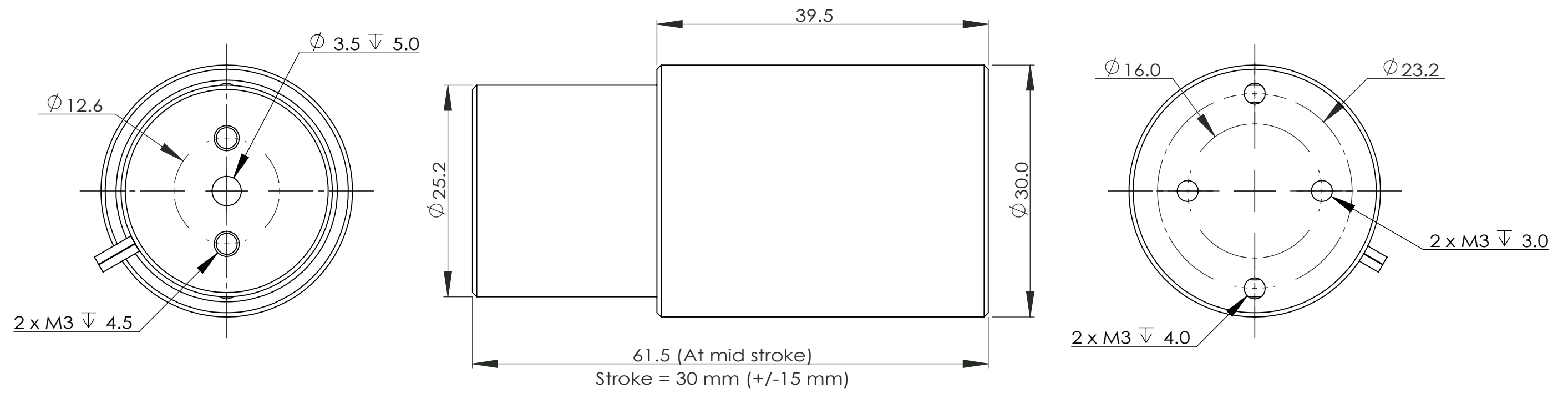
Performance Parameters	Symbol	Unit	AVM30-30
Stroke	S	mm	30.0
Continuous Force @100°C ^{[1][2]}	F _c	N	4.65
Peak Force ^[2]	F _{pk}	N	13.9
Force Constant ±10% ^[2]	K _f	N/A	3.32
Back EMF Constant ±10% ^[2]	K _e	V/(m/s)	3.32
Motor Constant @25°C ^[2]	K _m	N/Sqrt(W)	1.80
Resistance @25°C ±10% ^[3]	R ₂₅	Ω	3.40
Inductance ±20% ^[4]	L	mH	0.99
Electrical Time Constant	T _e	ms	0.29
Continuous Current @100°C ^[1]	I _c	A	1.4
Peak Current	I _{pk}	A	4.2
Continuous Power Dissipation @100°C ^[1]	P _c	W	8.6
Max. Coil Temperature	t _{max}	°C	100
Thermal Dissipation Constant ^[1]	K _{th}	W/°C	0.115
Max. Voltage	U _{max}	Vdc	60
Coil Mass	m _{coil}	g	48.3
Core Mass	m _{core}	g	150.6
Running Clearance	L _{gap}	mm	0.60

AVM30-30

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.



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		Drawn	WSM	2021/10/25	
		Checked	YH	2021/10/26	Model: AVM30-30_Customer Drawing
		Approved	YX	2021/10/26	Title: AVM30-30_Customer Drawing
		Material	NA		Dwg No: AVM30-30
		Surface Treatment	NA		Sheet: 1 OF 1
		Heat Treatment	NA		Rev: 0
		Quantity	NA		