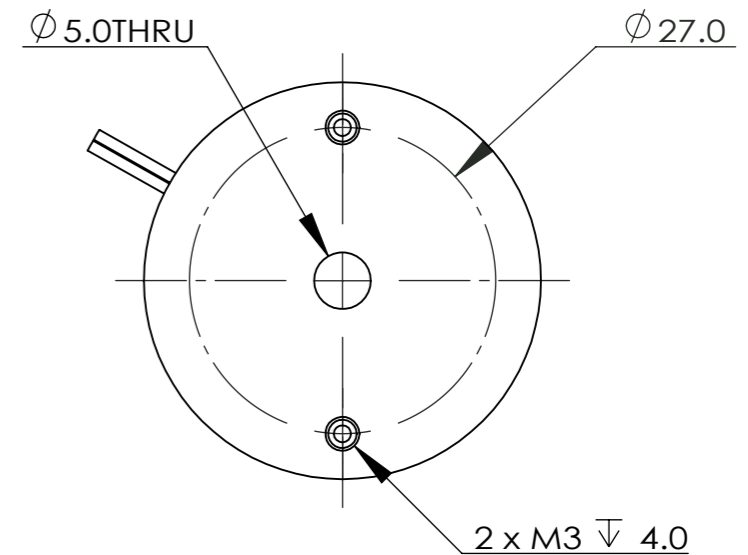
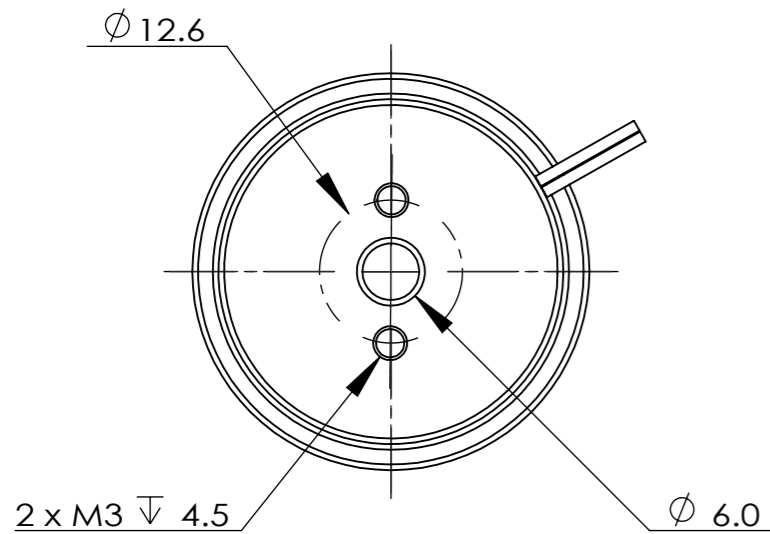
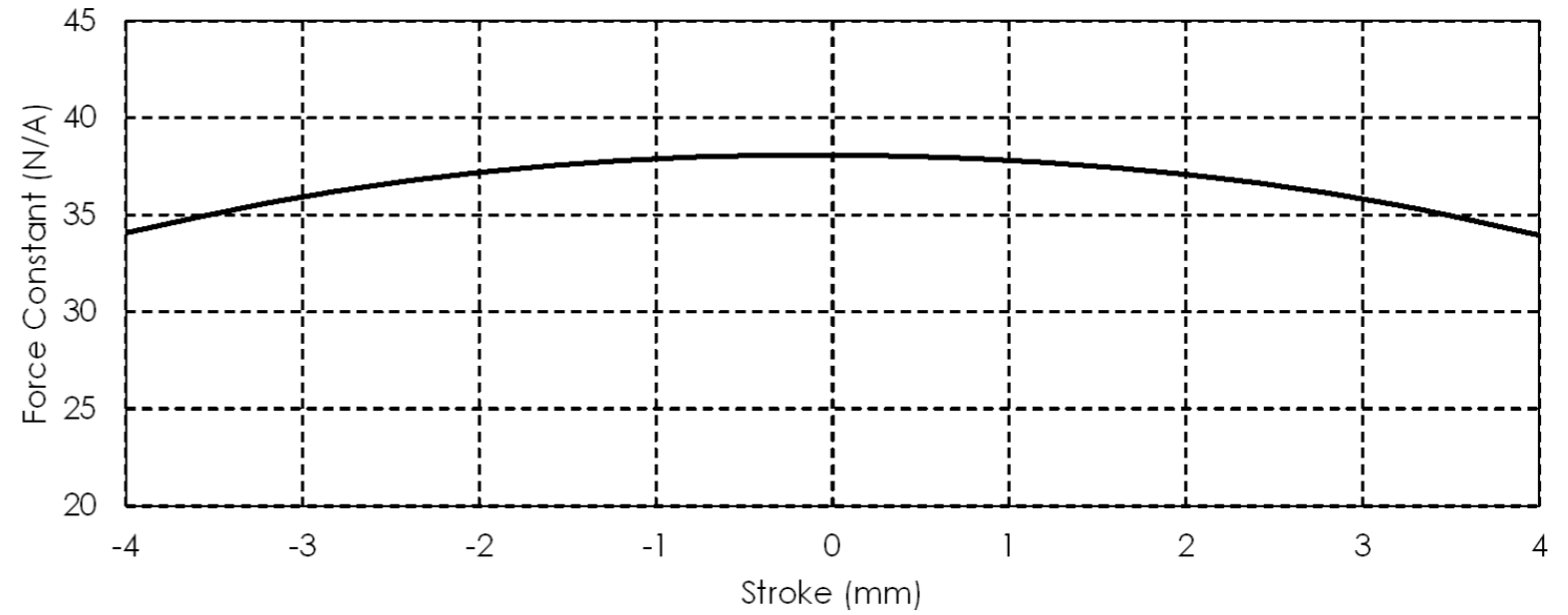


Performance Parameters	Symbol	Unit	AVM35-HF-8
Stroke	S	mm	8.0
Continuous Force @100°C ^{[1][2]}	F _c	N	30.5
Peak Force ^[2]	F _{pk}	N	152.4
Force Constant ±10% ^[2]	K _f	N/A	38.1
Back EMF Constant ±10% ^[2]	K _e	V/(m/s)	38.1
Motor Constant @25°C ^[2]	K _m	N/Sqrt(W)	9.24
Resistance @25°C ±10% ^[3]	R ₂₅	Ω	17.0
Inductance ±20% ^[4]	L	mH	7.15
Electrical Time Constant	τ _e	ms	0.42
Continuous Current @100°C ^[1]	I _c	A	0.8
Peak Current	I _{pk}	A	4.0
Continuous Power Dissipation @100°C ^[1]	P _c	W	14.0
Max. Coil Temperature	t _{max}	°C	100
Thermal Dissipation Constant ^[1]	K _{th}	W/°C	0.187
Max. Voltage	U _{max}	Vdc	60
Coil Mass	m _{coil}	g	85.2
Core Mass	m _{core}	g	371.4
Running Clearance	L _{gap}	mm	0.50

[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.

AVM35-HF-8

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



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UNLESS OTHERWISE SPECIFIED,
 ALL DIMENSIONS IN mm
 REMOVE ALL SHARP EDGES

GENERAL
 TOLERANCE
 X ± 0.25mm
 X.X ± 0.1mm
 X.XX ± 0.05mm
 X.XXX ± 0.025mm



Designed	SL	2021/10/25
Drawn	SL	2021/10/25
Checked	YH	2021/10/26
Approved	YX	2021/10/26
Material	NA	
Surface Treatment	NA	
Heat Treatment	NA	
Quantity	NA	



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Model:	AVM35-HF-8_Customer Drawing
Title:	AVM35-HF-8_Customer Drawing
Dwg No:	AVM35-HF-8
Sheet:	1 OF 1
Rev:	0