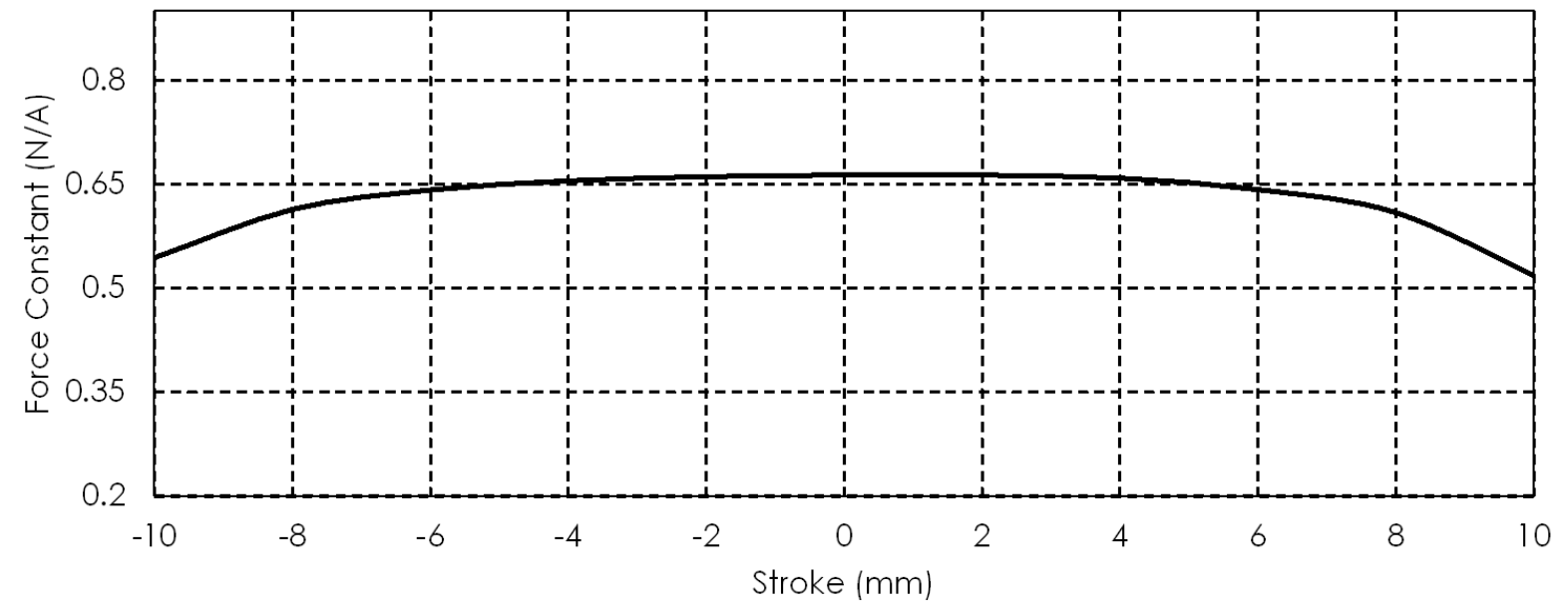


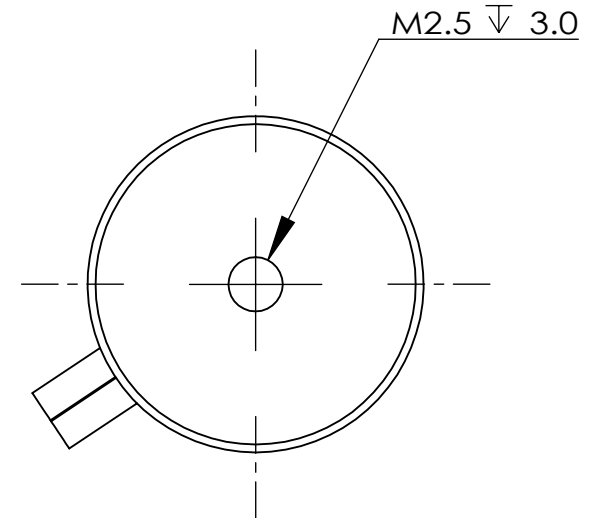
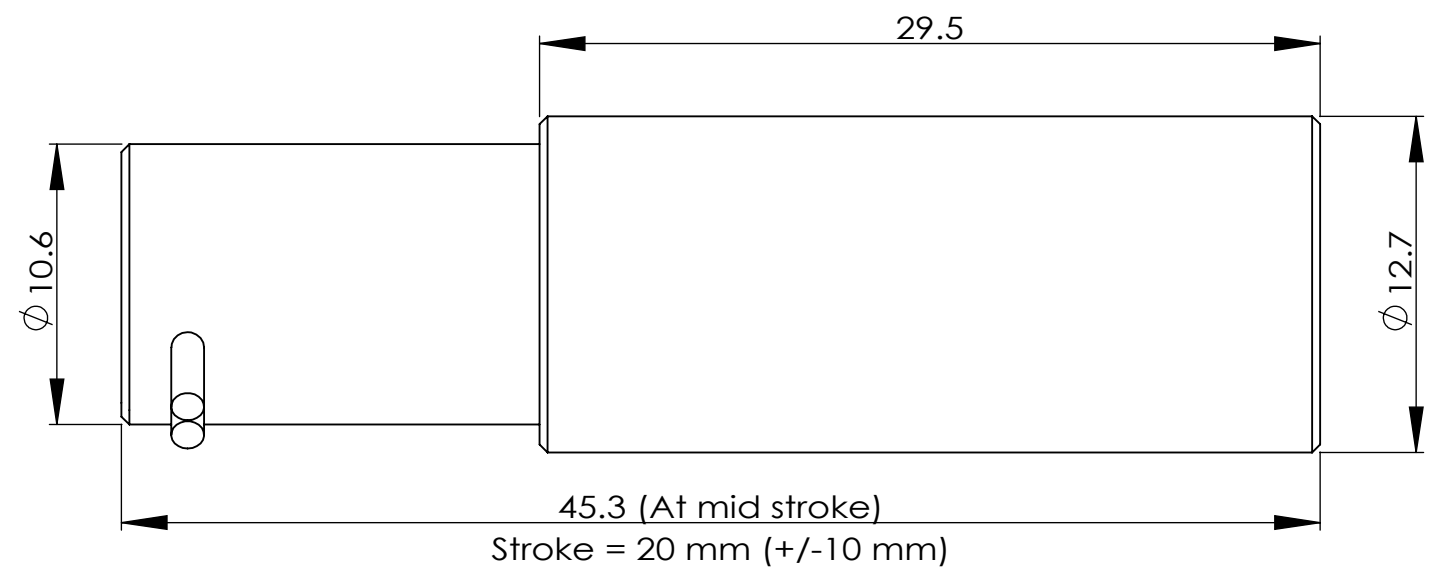
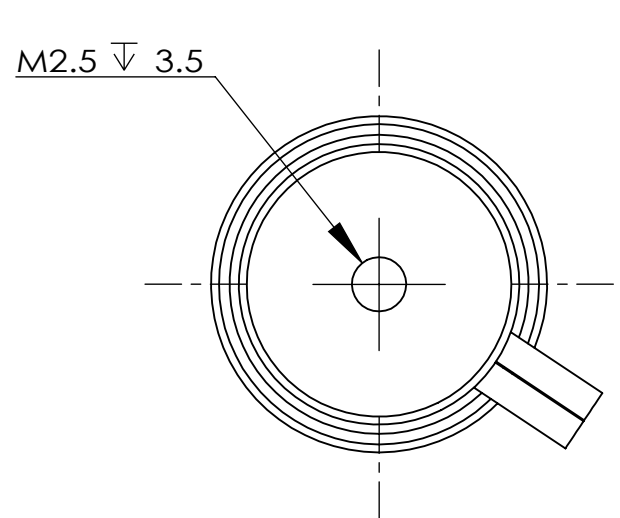
Performance Parameters	Symbol	Unit	AVM12-20
Stroke	S	mm	20.0
Continuous Force @100°C ^{[1][2]}	F _c	N	1.0
Peak Force ^[2]	F _{pk}	N	3.8
Force Constant ±10% ^[2]	K _f	N/A	0.66
Back EMF Constant ±10% ^[2]	K _e	V/(m/s)	0.66
Motor Constant @25°C ^[2]	K _m	N/Sqrt(W)	0.37
Resistance @25°C ±10% ^[3]	R ₂₅	Ω	3.20
Inductance ±20% ^[4]	L	mH	0.33
Electrical Time Constant	T _e	ms	0.10
Continuous Current @100°C ^[1]	I _c	A	1.5
Peak Current	I _{pk}	A	5.8
Continuous Power Dissipation @100°C ^[1]	P _c	W	9.3
Max. Coil Temperature	t _{max}	°C	100
Thermal Dissipation Constant ^[1]	K _{th}	W/°C	0.124
Max. Voltage	U _{max}	Vdc	60
Coil Mass	m _{coil}	g	8.5
Core Mass	m _{core}	g	17.3
Running Clearance	L _{gap}	mm	0.35

AVM12-20

REV	DESCRIPTION	BY	DATE	APPD
0	INITIAL RELEASE	SY	2021/10/29	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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	REMOVE ALL SHARP EDGES	Drawn	SY	2021/10/28		
	GENERAL TOLERANCE X ± 0.25mm X.X ± 0.1mm X.XX ± 0.05mm X.XXX ± 0.025mm	 3rd ANGLE PROJECTION	Checked	YH		2021/10/29
			Approved	YX		2021/10/29
			Material	NA		
			Surface Treatment	NA		
		Heat Treatment	NA		Model: AVM12-20_Customer Drawing	
		Quantity	NA		Title: AVM12-20_Customer Drawing	
					Dwg No: AVM12-20	
					Sheet: 1 OF 1	
					Rev: 0	