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Γ	Performance Parameters	Symbol	Unit	AVM40-13
	Stroke	S	mm	13.0
(Continuous Force @100°C ^{[1][2]}	F _c	N	9.27
F	Peak Force ^[2]	F _{pk}	N	54.9
F	Force Constant ±10% ^[2]	K _f	N/A	12.0
)	Back EMF Constant ±10% ^[2]	K _e	V/(m/s)	12.0
1	Motor Constant @25°C ^[2]	K _m	N/Sqrt(W)	4.26
F	Resistance @25°C ±10% ^[3]	R ₂₅	Ω	8.0
Ī	nductance ±20% ^[4]	L	mН	4.44
E	Electrical Time Constant	Te	ms	0.55
(Continuous Current @100°C ^[1]	I _c	А	0.8
F	Peak Current	I _{pk}	А	4.5
(Continuous Power Dissipation @100°C ^[1]	Pc	W	6.1
1	Max. Coil Temperature	t _{max}	°C	100
1	[hermal Dissipation Constant ^[1]	K _{th}	W/ºC	0.082
1	Max. Voltage	U _{max}	Vdc	60
	Coil Mass	m _{coil}	g	60.4
-	Core Mass	m _{core}	g	175.1
Ī	Running Clearance	L _{gap}	mm	0.60

[1] Measurement is taken at ambient temperature 25°C. Value depends on the thermal environment.

[2] The values are at mid stroke.

8

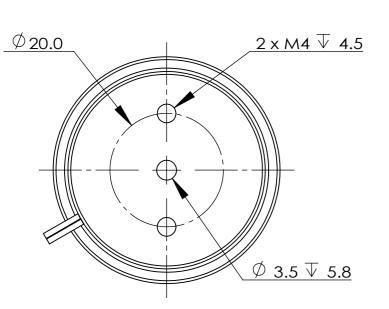
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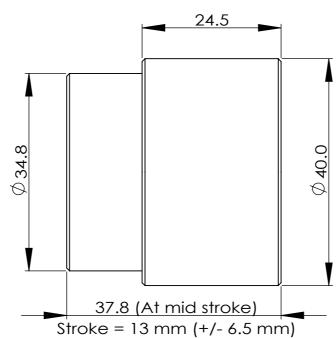
[3] Resistance is measured by DC current with 0.5 m lead wire.

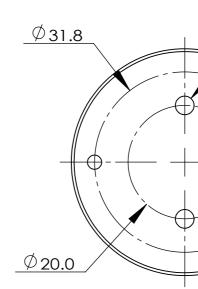
[4] Inductance is measured by current frequency of 1 kHz.

The contents of datasheet are subject to change without prior notice.



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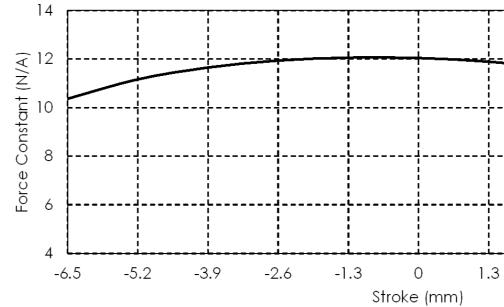
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