TDS Precision Products

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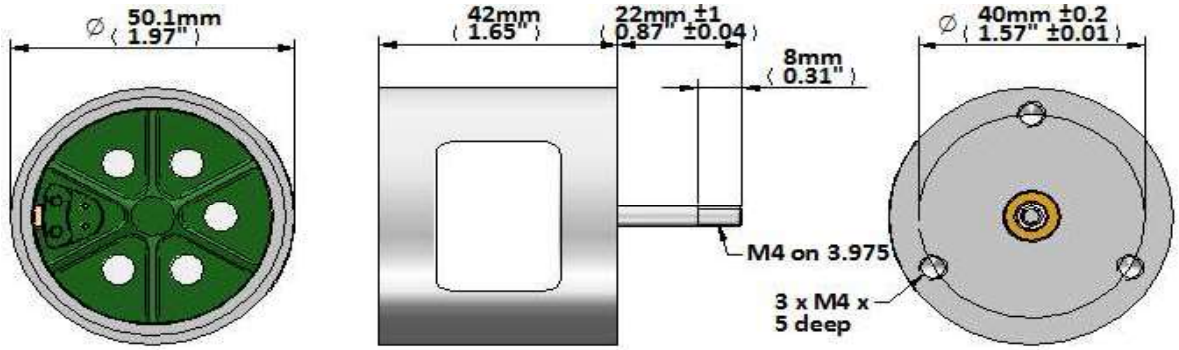
GEEPLUS VM5042 & VM5050

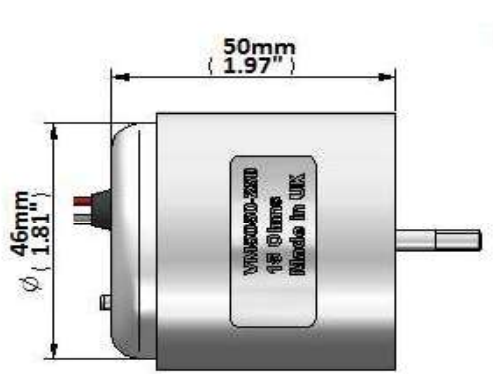
P_{100} is the continuous (100% ED) excitation power at which the coil attains temperature T_{max} with the part mounted to a massive heatsink at 20°C

P_{100}	24 W	Total Mass	480 g
T_{max}	130 °C	Coil Mass	35 g

Model No.	Resistance R_{20}	Inductance	Force Constant	Velocity Constant	Current I_{100}
VM50xx-400	2.5 Ω	1.3 mH	7 N/A	7 Vs/m	2.6 A
VM50xx-250	15.0 Ω	5.6 mH	17 N/A	17 Vs/m	1.1 A
VM50xx-190	45.0 Ω	20.0 mH	30 N/A	30 Vs/m	0.6 A

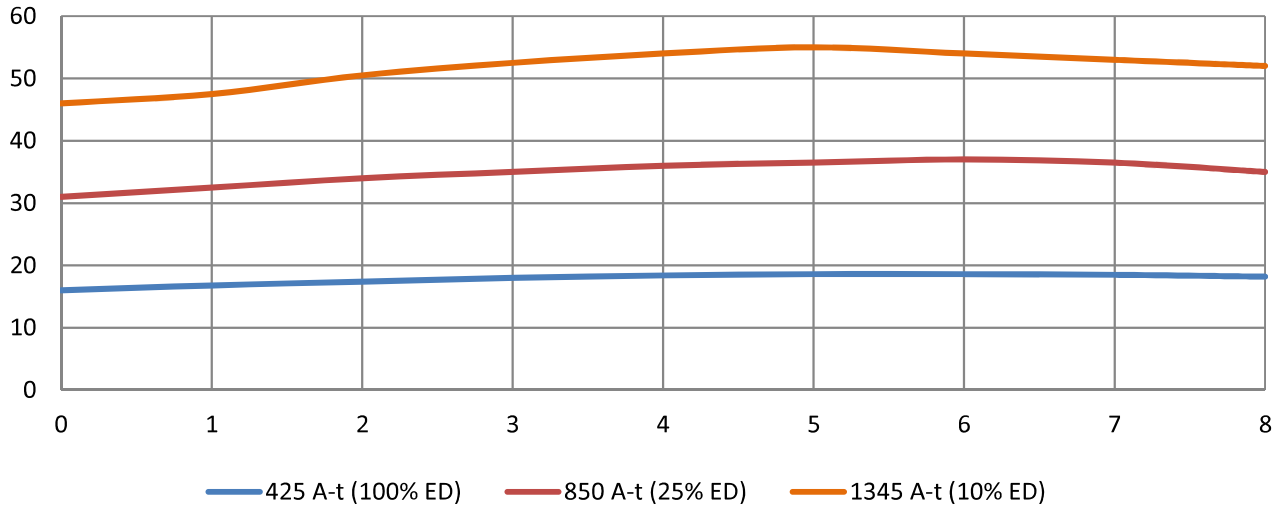
Max 'ON' time		Peak Force
100% ED	∞	19 N
50% ED	65 s	27 N
25% ED	12 s	37 N
10% ED	3 s	54 N





VM5050 incorporates end cover and flex circuit termination to coil with leadwires 24AWG, UL????, 300mm (12") minimum length. Stroke is limited to 8mm.

Force (N) vs Displacement (mm)



Geeplus reserves the right to change specifications without notice
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