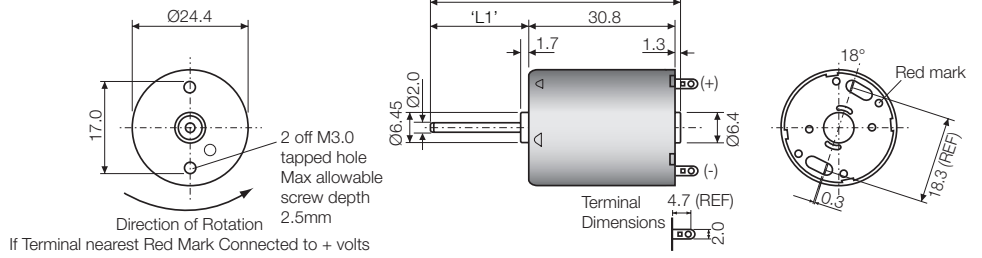


# DC Motors

D2431-09451

Issue 11:CN3815

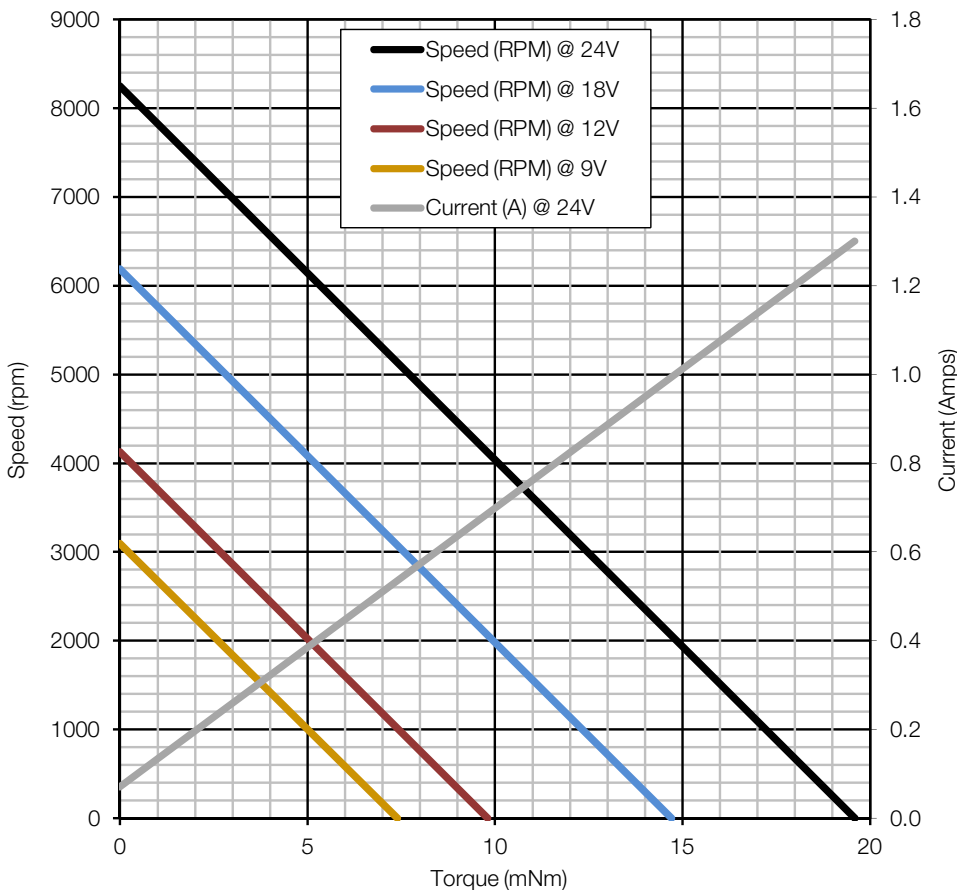
Unit: mm



Model Number	Performance									
	Volts V	No Load		Maximum Efficiency				Stall		Max Power W
		Speed rpm	Current A	Speed rpm	Current A	Torque mNm	Output W	Torque mNm	Current A	
D2431-09451	24	8250	0.07	6600	0.20	3.9	2.7	19.6	1.3	4.2
	18	6188	0.06	4994	0.20	2.8	1.5	14.7	1.0	2.4
	12	4125	0.06	3246	0.18	2.1	0.7	9.8	0.7	1.1
	9	3094	0.05	2385	0.15	1.7	0.4	7.4	0.5	0.6

Performance characteristics and general specification are from calculated data.

## Characteristics



## General Specification

Bearings	Sintered
Brushes	Carbon
Rotation	Bi-directional
Number of poles	3
Operating voltage	9 V to 30 V
Nominal resistance	38.8 $\Omega$
Nominal inductance	15.5 mH
Typical detent torque	1 mNm
Suppression	Internal ring varistor
Weight (D2431-09451)	45 g
<b>Shaft length options 'L1','L2'</b>	
D2431-09451	20.7mm, 52.8mm
D2431-09451S	10.7mm, 42.8mm

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