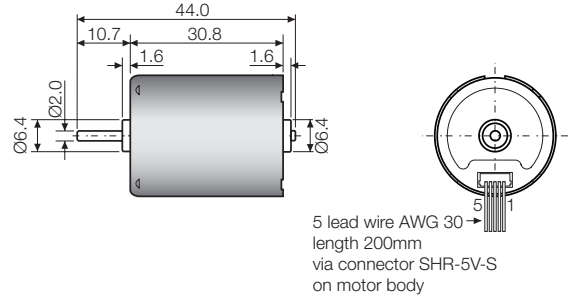
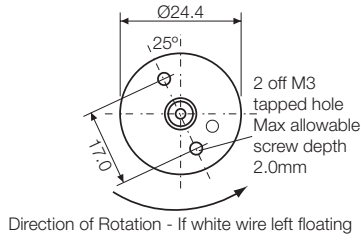


DC Motors

BLB2430-1204

Issue 02:CN3809

Unit: mm



Performance									
Volts V	No Load		Max Cont. Power at 23°C				Stall		Max Power W
	Speed rpm	Current A	Speed rpm	Current A	Torque mNm	Output W	Torque mNm	Current A	
12	6000	0.33	3750	0.83	12.5	4.9	15.0	0.9	5.1

Performance characteristics and general specification are from calculated data.

General Specification

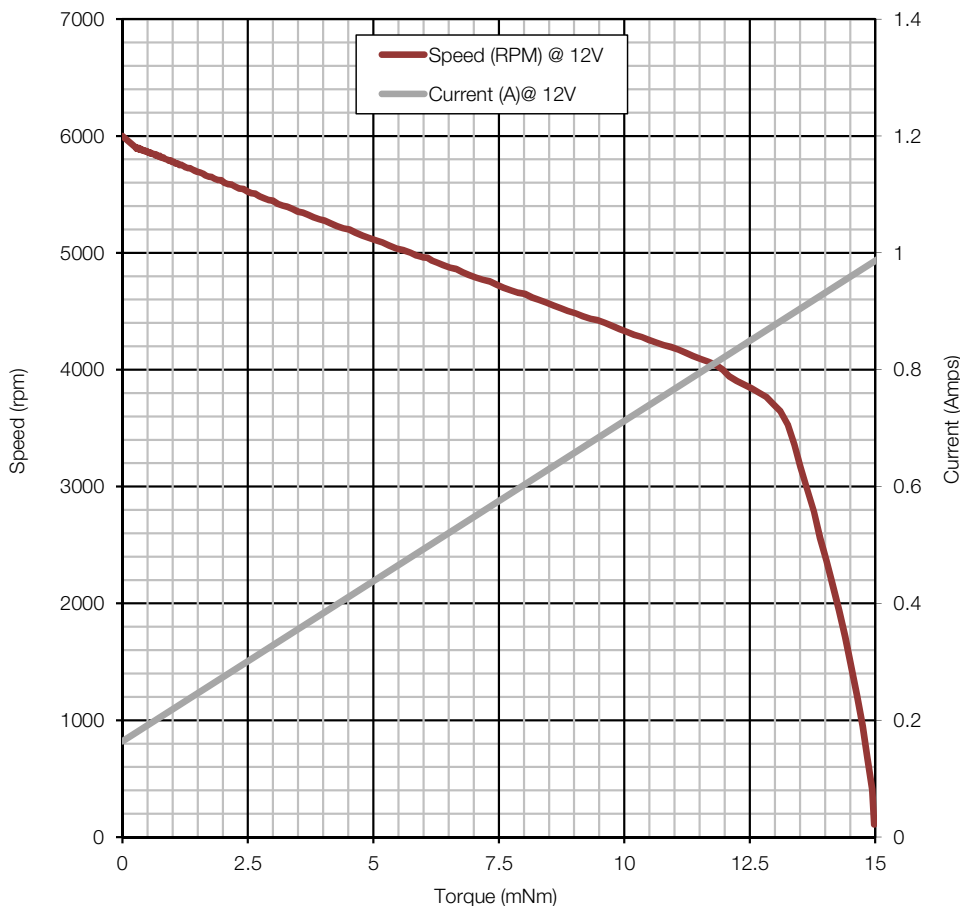
Bearings	Sintered
Commutation	Built-in, with sensors
Rotation	CCW
Number of poles	6
Nominal resistance	4.5 Ω
Nominal Inductance	1.0 mH
Typical max. detent torque	2 mNm
Max Cont. Torque at 23°C	12.5 mNm
Max Cont. Torque at 40°C	10 mNm
Motor weight	55 g

Operating voltage	9-15 V
Signal voltage	0-5 V

Connector Interface

Pin	Colour	Signal	I/O	Specification
1	GND (Black)		IN	
2	Op. Voltage (Red)		IN	9-15 V
3	Tacho Output (Yellow)	VOH	OUT	2V ≤ V ≤ 5V, at 5V 4.7kΩ pull up
		VOL		0.6 V max
		Sink current		3 mA max
		Output pulse		9 pulse/round
4	Speed Control (White)	VOH	IN	2V ≤ V ≤ 5V or open : motor stop
		VOL		0.8 V max motor drive
		PWM signal		20 kHz - 30 kHz
5	Direction (Orange)	VOH	IN	2V ≤ V ≤ 5V or open : CCW
		VOL		0.8 V max : CW

Characteristics



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