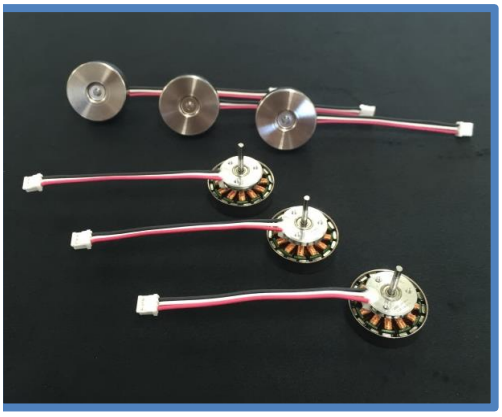
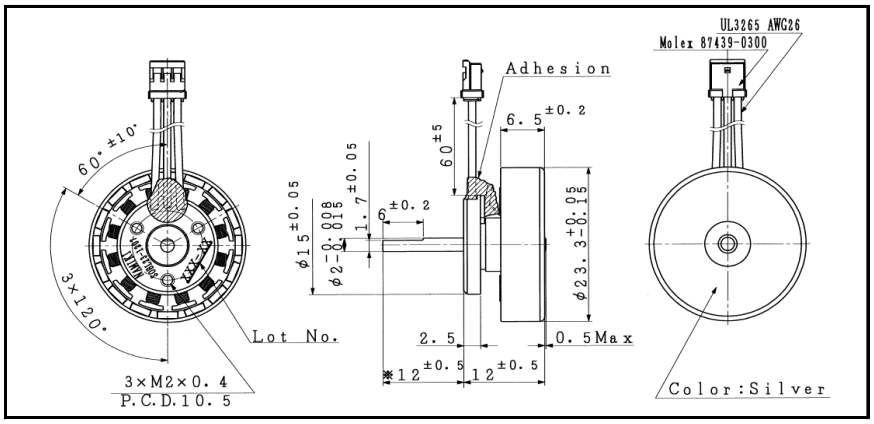
Namiki

DC CORELESS MOTOR SERIES

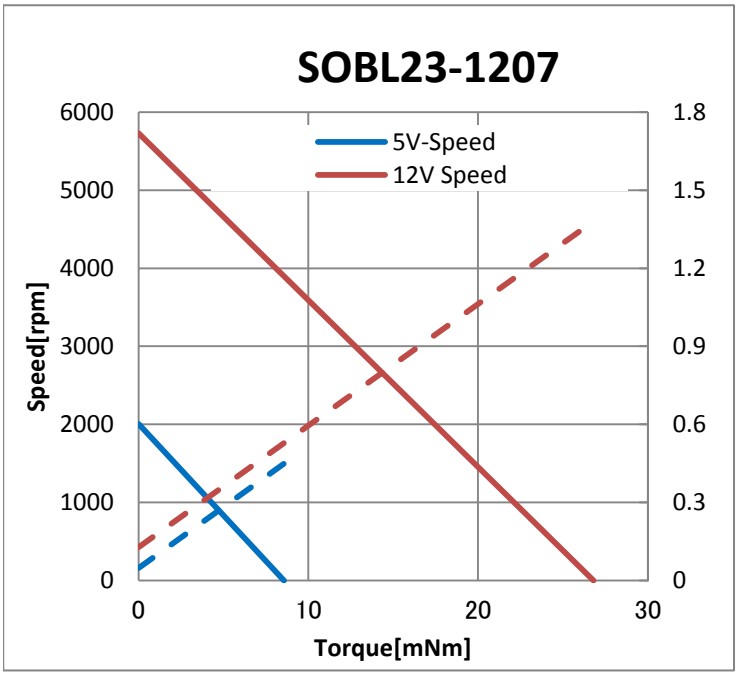
SOBL23-1207

Sensorless brushless motor, outer rotor type





		SOBL23-1207		
1	Nominal voltage	5.0	12.0	V
2	Terminal resistance	6.9		Ω
3	Output power	0.45	3.44	W
4	Efficiency	46	49	%
5	No load speed	2000	5730	rpm
6	No load current	0.047	0.127	A
7	Stall current	0.45	1.38	A
8	Stall torque	8.6	26.8	mNm
9	Torque constant	21.3	19.4	mNm/A
10	Rotor inertia	4.8		gcm^2
11	Max. Torque	8.0		mNm
12	Weight	11.8		g



General Data

13	Operating temperature	-20~+55	℃
14	Storage temperature	-40~60	℃
15	Max. shaft radial load	8	N
16	Max. shaft axial load	5	N
17	Max. axial load at standstill	20	N
18	Shaft radial play	≦0.03	mm
19	Shaft axial play	≦0.01	mm

Connector Specification:

Model name:87439-300/MOLEX

PIN No.	Function	Cable color
1	U	black
2	V	white
3	W	red

Notice

※Motor characteristics are measured with SHSD24-01A

※Specifications subject to change without notice

V01

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