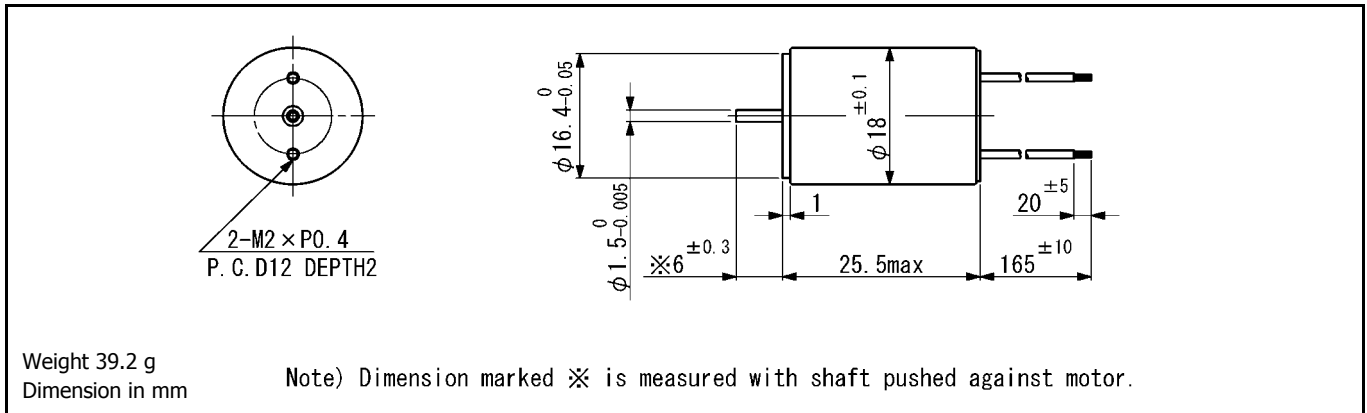


# SCL18-25

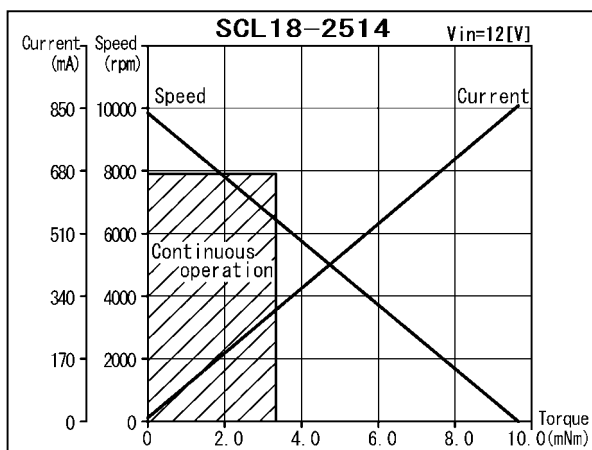
Precious metal commutation



For combination with gearheads: SSG18, SPG16

Ordering number				SCL18-2514
1 Nominal voltage				12 V
2 Terminal resistance				14 Ω
3 Output power				2.6 W
4 Efficiency				85 %
5 No-load speed				9850 rpm
6 No-load current				5 mA
7 Stall torque				9.85 mNm
8 Friction torque				0.06 mNm
9 Back-EMF constant				1.21 mV/rpm
10 Torque constant				11.6 mNm/A
11 Slope of N-T curve				1000 rpm/mNm
12 Coil inductance				0.22 mH
13 Mechanical time constant				10.9 ms
14 Rotor inertia				1.04 gcm <sup>2</sup>

Continuous operation				
15 Speed range				7900 rpm
16 Max. torque				3.51 mNm



General specifications		
17 Operating temperature	-20...+60	°C
18 Max. coil temperature	+80	°C
19 Thermal resistances	R <sub>th1</sub> = 6, R <sub>th2</sub> = 28	K/W
20 Bearings type	Sintered sleeves	
21 Max. shaft radial load	1.2 (5 mm)	N
22 Max. shaft axial load	0.2	N
23 Max. axial load at standstill	9.8	N
24 Shaft radial play	0.05	mm
25 Shaft axial play	0.03...0.2	mm

**Options:** Lead wires length, shaft length, special coils, commutator with capacitors.