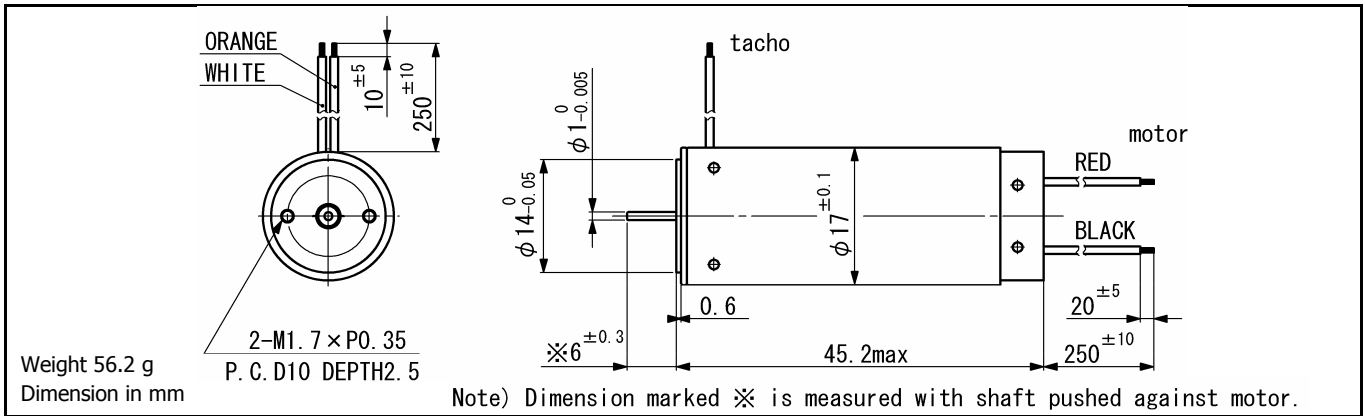


SCL17-44

Precious metal commutation



For combination with gearhead: **SSG15**

Ordering number				SCL17-4409T
Nominal voltage				6 V
Terminal resistance				9.4 Ω
Output power				0.94 W
No-load speed				6460 rpm
No-load current				8 mA
Stall torque				5.57 mNm
Friction torque				0.07 mNm
Back-EMF constant				0.92 mV/rpm
Torque constant				8.84 mNm/A
Motor coil inductance				0.11 mH
Rotor inertia				1.12 gcm ²

Continuous operation

Max. recommended speed				5100 rpm
Max. recommended torque				2.78 mNm

Tachogenerator

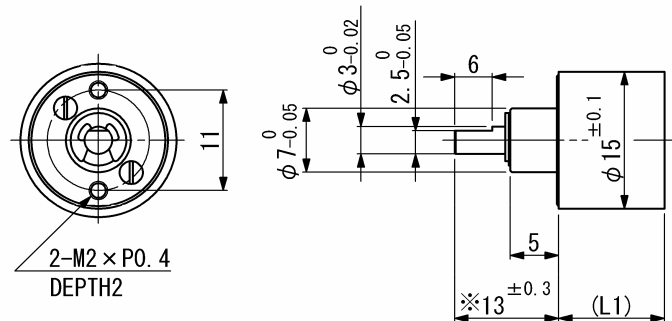
EMF constant		0.7		mV/rpm
Recommended min. load resistance		10		kΩ
Terminal resistance		48		Ω
Max. ripple peak to peak		3		%

General specifications

Operating temperature		-20...60		°C
Max. coil temperature		80		°C
Shaft bearing		Sleeve bearings		
Max. shaft radial load		0.5 (5 mm)		N
Max. shaft axial load		0.15		N
Max. axial load at standstill		7.8		N
Shaft radial play		0.05		mm
Shaft axial play		0.03...0.2		mm

SSG15

Spur gearhead



Dimension in mm

Note) Dimension marked ※ is measured with shaft pushed against gearhead.

For combination with motors: SCL16-15, SCL16-25, SCL16-30, SCL17-30

For combination with motor-tachogenerators: SCL16-44, SCL17-44

General specifications

SSG15

Housing material	Metal	
Geartrain material	Metal	
Recommended max. input speed	6000	rpm
Operating temperature range	-10...+60	°C
Max. backlash at no-load, 5 stages	≤ 5	°
Bearings on output shaft	Sintered sleeve bearings	
Max. shaft radial load (10 mm from flange)	4	N
Max. shaft axial load	2	N
Max. shaft press fit force	30	N
Shaft radial play	≤ 0.03	mm
Shaft axial play	≤ 0.2	mm

Ratio (nominal)	Stage	Gearhead length, L1 [mm]	Gearhead weight [g]	Max. allowable torque [mNm]		Length with motor [mm]						Efficiency [%]	Direction of rotation
				Continuous	Intermittent	SCL16-15	SCL16-25	SCL16-30	SCL17-30	SCL16-44	SCL17-44		
29 : 1	3	9.6	8.9	15	30	27.1	34.6	41	41	54.1	54.2	73	≠
49 : 1	4	11.6	10.3	24	60	29.1	36.6	43	43	56.1	56.2	66	=
71 : 1	4	11.6	10.3	24	60	29.1	36.6	43	43	56.1	56.2	66	=
94 : 1	4	11.6	10.3	24	60	29.1	36.6	43	43	56.1	56.2	66	=
198 : 1	5	13.6	11.5	24	60	31.1	38.6	45	45	58.1	58.2	59	≠