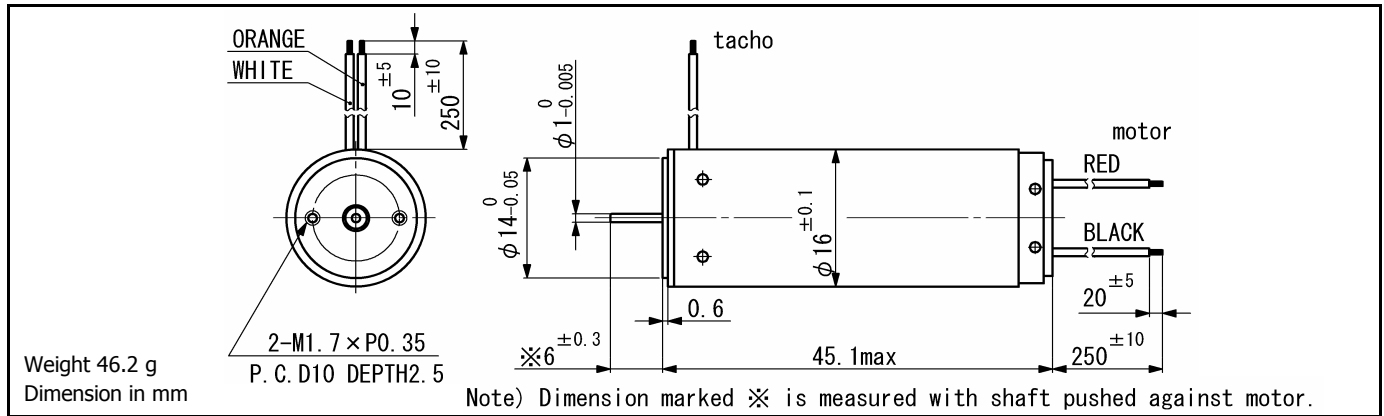


SCL16-44

Precious metal commutation



For combination with gearhead: SSG15

Ordering number	SCL16	
	-4428T	-4464T
Nominal voltage	6	12 V
Terminal resistance	27.6	64 Ω
Output power	0.31	0.54 W
No-load speed	4400	5900 rpm
No-load current	5	4 mA
Stall torque	2.7	3.49 mNm
Friction torque	0.06	0.08 mNm
Back-EMF constant	1.33	1.99 mV/rpm
Torque constant	12.7	19 mNm/A
Motor coil inductance	0.13	1 mH
Rotor inertia	0.8	0.87 gcm ²

Continuous operation

Max. recommended torque	1.35	1.74 mNm
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Tachogenerator

EMF constant	1.2	mV/rpm
Recommended min. load resistance	10	kΩ
Terminal resistance	130	Ω
Max. ripple peak to peak	2	%

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

V01