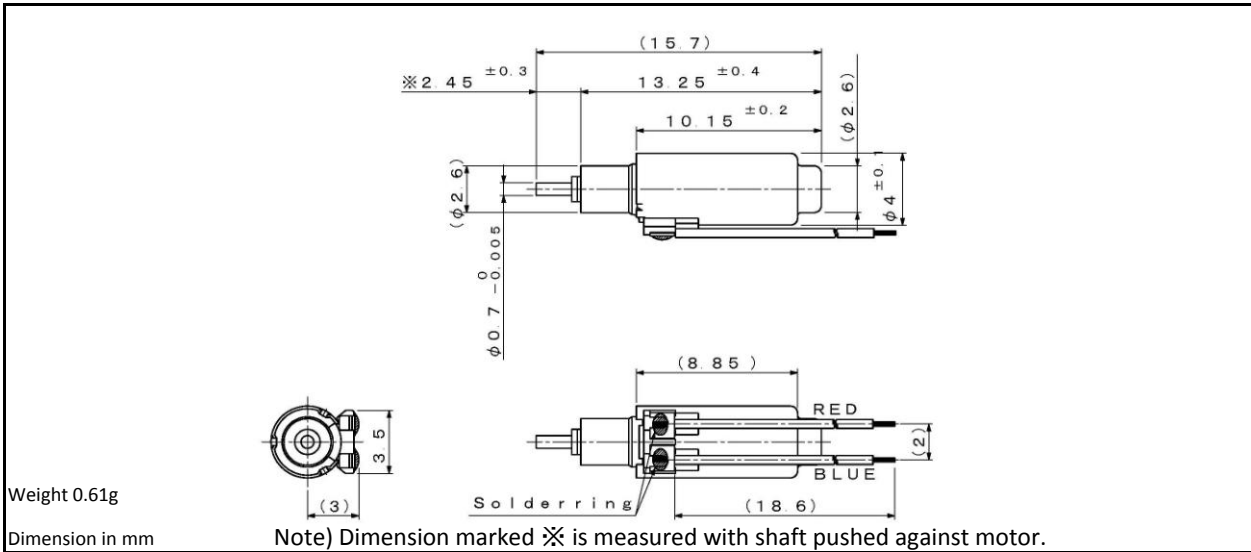


DC MOTOR SERIES

4CR-T3

Precious metal commutation

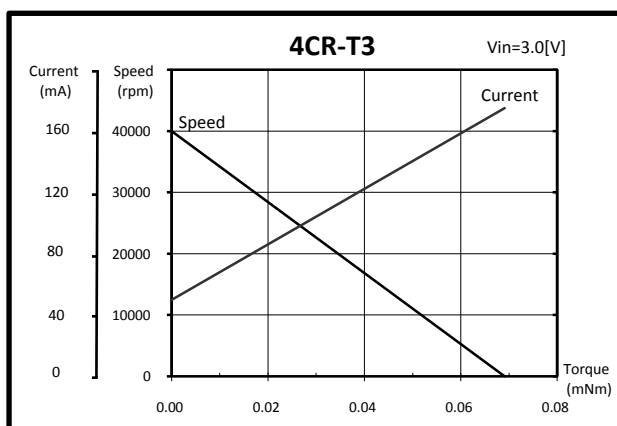


Ordering number

				4CR-T3
1	Nominal voltage			3.0 V
2	Terminal resistance			16 Ω
3	Output power			0.07 W
4	Efficiency			22.4 %
5	No-load speed			40000 rpm
6	No-load current			50 mA
7	Stall torque			0.067 mNm
8	Friction torque			0.0026 mNm
9	Torque constant			0.52 mNm/A
10	Back EMF constant			0.05 mV/rpm
11	Slope of N-T curve			571000 rpm/mNm
12	Coil inductance			0.04 mH
13	Mechanical time constant			11.8 ms
14	Rotor inertia			0.002 gcm ²

Continuous operation

15	Speed range			32000 rpm
16	Max.torque			0.034 mNm



General specifications

17	Operating temprature	-20...+60	°C
18	Max. coil temperature	+80	°C
19	Thermal resistances	$R_{th1} = 5, R_{th2} = 28$	K/W
20	Bearings type	Resign	
21	Shaft radial play	0.04	mm
22	Shaft axial play	0.03...0.2	mm