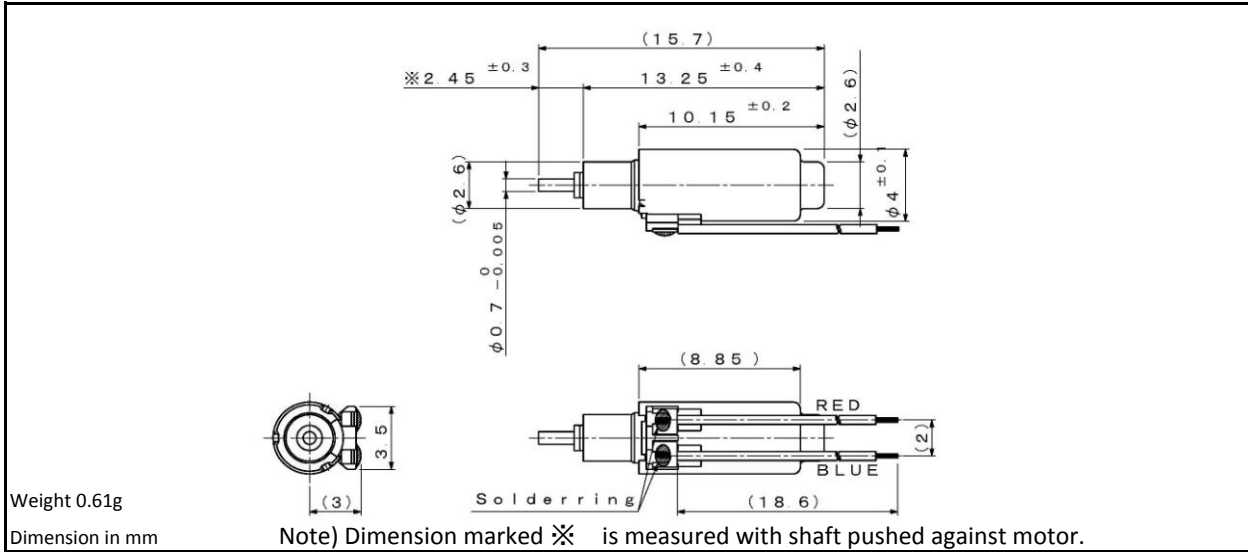


DC MOTOR SERIES

# 4CR-T6

Precious metal commutation



Weight 0.61g

Dimension in mm

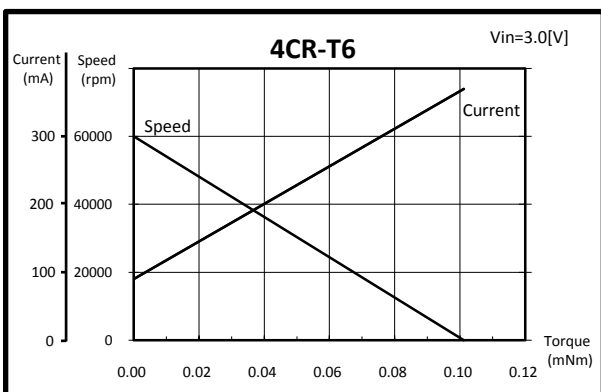
Note) Dimension marked  $\textcircled{X}$  is measured with shaft pushed against motor.

### Ordering number

				4CR-T6
1 Nominal voltage				3 V
2 Terminal resistance				8 $\Omega$
3 Output power				0.16 W
4 Efficiency				26.0% %
5 No-load speed				60000 rpm
6 No-load current				90 mA
7 Stall torque				0.103 mNm
8 Friction torque				0.033 mNm
9 Torque constant				0.36 mNm/A
10 Back EMF constant				0.04 mV/rpm
11 Slope of N-T curve				580000 rpm/mNm
12 Coil inductance				0.02 mH
13 Mechanical time constant				12.2 ms
14 Rotor inertia				0.002 gcm <sup>2</sup>

### Continuous operation

15 Speed range				60000 rpm
16 Max.torque				0.065 mNm



### General specifications

17 Operating temperature	-20...+60	$^{\circ}C$
18 Max. coil temperature	+80	$^{\circ}C$
19 Thermal resistances	$R_{th1} = 2, R_{th2} = 76$	K/W
20 Bearings type	Resin	
21 Shaft radial play	0.04	mm
22 Shaft axial play	0.2	mm