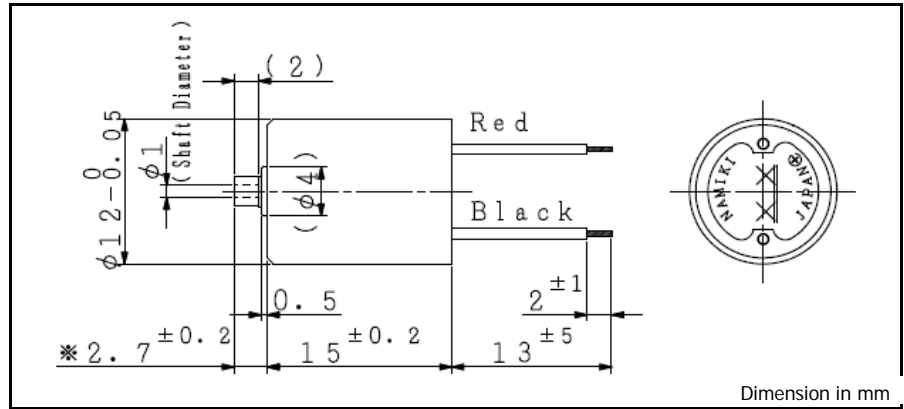


CRS / CRR12-15

Precious metal brush, Sleeve bearings

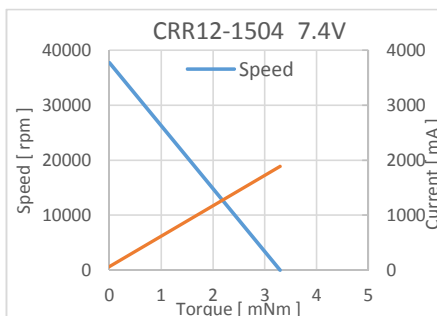
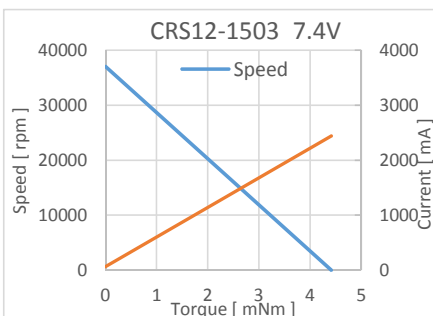


Ordering number	Standard	High response	
	CRS12-1503	CRR12-1504	
1 Nominal voltage	7.4	7.4	V
2 Rated torque	0.610	0.514	mNm
3 Rated speed	31900	31800	rpm
4 Rated current	391	349	mA
5 No load speed	37100	37700	rpm
6 No load current	63	64	mA
7 Stall torque	4.41	3.29	mNm
8 Stall current	2.44	1.89	A
9 Output power	4.3	3.3	W
10 Max. efficiency	70	66	%
11 Terminal resistance	3.0	3.9	Ω
12 Friction torque	0.12	0.12	mNm
13 Back-EMF constant	0.195	0.189	mV/rpm
14 Torque constant	1.86	1.81	mNm/A
15 Slope of N-T curve	8394	11449	rpm/mNm
16 Mechanical time constant	18.9	15.0	ms
17 Rotor inertia	0.22	0.13	gcm ²
Continuous operation			
18 Max. torque	2.21	1.65	mNm

Mechanical data		
19 Shaft axial play	0.03 ~ 0.3	mm
20 Shaft runout	≦ 0.05	mm
21 Side pressure	≦ 0.5	N

Environmental specifications		
22 Operating temperature	-10 ~ 50	°C
23 Max. coil temperature	80	°C

Other specifications		
24 Number of segments	5	
25 Bearing type	Sintered sleeve	
26 Weight	10	g



V01