



		Samples available	
		Units	212-106
Design and Accessories			
1	Commutation		Precious Metal Brush
2	No. of Output Shafts		1
3	Unit Weight	g	9.4
4	Body Diameter	mm	12
5	Body Length	mm	24
6	Rotation Direction		CCW
7	Bearing Type		Sintered Bronze
Physical Characteristics			
8	Shaft Diameter	mm	3
9	Shaft Length	mm	4.5
10	Shaft Orientation		Inline
11	Motor Construction		Iron Core
Operational Characteristics			
12	Typical Max. Mech. Noise	dB(A)	60
13	Rated Operating Voltage	V	3
14	Rated Load	mN·m	10
15	Rated Load Speed	rpm	108
16	N/L Speed	rpm	200
17	Max. Start Voltage	V	1.4
18	Max. N/L Current	mA	60
19	Max. Operating Voltage	V	3.6
20	Max. Rated Load Current	mA	190
21	Min. Insulation Resistance	MOhm	1
22	Max. Start Current	mA	396
23	Max. Stall Current	mA	450
24	Typical Rated Load Power Consumption	mW	475
25	Typical N/L Current	mA	50
26	Typical Peak Efficiency	%	30
27	Typical Peak Eff. Torque	mN·m	8
28	Typical Peak Eff. Speed	rpm	148
29	Typical Peak Eff. Current	mA	137

30	Typical Peak Eff. Power Out	mW	138
31	Typical Start Current	mA	396
32	Typical Max. Output Power	mW	165
33	Typical Stall Torque	mN-m	22

Gear Characteristics

34	Gear Ratio	:1	50
35	Gearhead Type		Spur

Winding Characteristics

36	Typical Terminal Resistance	Ohm	7
37	Typical Terminal Inductance	uH	1,100

Environmental Characteristics

38	Max. Operating Temp.	°C	50
39	Min. Operating Temp.	°C	-10
40	Max. Storage & Transportation Temp.	°C	80
41	Min. Storage & Transportation Temp.	°C	-40

Packaging

42	No. Units per Carton	pcs	1,000
43	Carton Type		Boxed Trays

Motor Body Characteristics

44	No. of Poles		
45	Shaft Axial Float	mm	
46	Max. Axial Compression	N	
47	Max. Radial Load	mN	

Performance

