



	Samples available		
Units	212-10N		

**Design and Accessories**

1	Commutation		Precious Metal Brush
2	No. of Output Shafts		1
3	Unit Weight	g	9.5
4	Body Diameter	mm	12
5	Body Length	mm	24
6	Rotation Direction		CW
7	Bearing Type		Sintered Bronze

**Physical Characteristics**

8	Shaft Diameter	mm	3
9	Shaft Length	mm	10
10	Shaft Orientation		Inline
11	Motor Construction		Iron Core

**Operational Characteristics**

12	Typical Max. Mech. Noise	dB(A)	50
13	Rated Operating Voltage	V	3
14	Rated Load	mN·m	40
15	Rated Load Speed	rpm	25
16	N/L Speed	rpm	34
17	Max. Start Voltage	V	2
18	Max. N/L Current	mA	52
19	Max. Operating Voltage	V	4
20	Max. Rated Load Current	mA	170
21	Max. Stall Current	mA	500
22	Typical Rated Load Power Consumption	mW	410
23	Typical N/L Current	mA	40
24	Typical Peak Efficiency	%	34
25	Typical Peak Eff. Torque	mN·m	42
26	Typical Peak Eff. Speed	rpm	28
27	Typical Peak Eff. Current	mA	118
28	Typical Peak Eff. Power Out	mW	122
29	Typical Start Current	mA	375

30	Typical Max. Output Power	mW	167
31	Typical Stall Torque	mN-m	110
<b>Gear Characteristics</b>			
32	Gear Ratio	:1	297.9
33	Gearhead Type		Spur
<b>Winding Characteristics</b>			
34	Typical Terminal Resistance	Ohm	7
35	Typical Terminal Inductance	uH	1,300
<b>Environmental Characteristics</b>			
36	Max. Operating Temp.	°C	50
37	Min. Operating Temp.	°C	-10
38	Max. Storage & Transportation Temp.	°C	80
39	Min. Storage & Transportation Temp.	°C	-40
<b>Packaging</b>			
40	No. Units per Carton	pcs	500
41	Carton Type		Boxed Trays
<b>Motor Body Characteristics</b>			<b>Performance</b>
42	No. of Poles		
43	Shaft Axial Float	mm	