



		Samples available			
		Units	212-40D		
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	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)	60		
13	Rated Operating Voltage	V	12		
14	Rated Load	mN-m	60		
15	Rated Load Speed	rpm	53		
16	N/L Speed	rpm	68		
17	Max. Start Voltage	V	2		
18	Max. N/L Current	mA	40		
19	Max. Operating Voltage	V	14.4		
20	Max. Rated Load Current	mA	125		
21	Max. Stall Current	mA	425		
22	Typical Rated Load Power Consumption	mW	1,037		
23	Typical N/L Current	mA	18		
24	Typical Peak Efficiency	%	32.4		
25	Typical Peak Eff. Torque	mN-m	51.3		
26	Typical Peak Eff. Speed	rpm	55.3		
27	Typical Peak Eff. Current	mA	76		
28	Typical Peak Eff. Power Out	mW	297		
29	Typical Start Current	mA	342		

30	Typical Max. Output Power	mW	439
Gear Characteristics			
31	Gear Ratio	:1	297.9
32	Gearhead Type		Spur
Winding Characteristics			
33	Typical Terminal Resistance	Ohm	33
34	Typical Terminal Inductance	uH	5,600
Environmental Characteristics			
35	Max. Operating Temp.	°C	50
36	Min. Operating Temp.	°C	-10
37	Max. Storage & Transportation Temp.	°C	80
38	Min. Storage & Transportation Temp.	°C	-40
Packaging			
39	No. Units per Carton	pcs	500
40	Carton Type		Boxed Trays
Motor Body Characteristics			Performance
41	No. of Poles		
42	Shaft Axial Float	mm	