



		Samples available	Samples available		
	Units	210-101	210-102		
Design and Accessories					
1	Commutation	Precious Metal Brush	Precious Metal Brush		
2	No. of Output Shafts		1	1	
3	Unit Weight	g	7.5	7.5	
4	Body Diameter	mm	10	10	
5	Body Length	mm	24.1	24.1	
Physical Characteristics					
6	Shaft Diameter	mm	2.5	2.5	
7	Shaft Length	mm	10	10	
8	Shaft Orientation		Inline	Inline	
9	Motor Construction		Iron Core	Iron Core	
Operational Characteristics					
10	Rated Operating Voltage	V	3	3	
11	Rated Load	mN·m	8	20	
12	Rated Load Speed	rpm	134	53	
13	N/L Speed	rpm	170	67	
14	Max. N/L Current	mA	80	80	
15	Max. Operating Voltage	V	5	5	
16	Max. Rated Load Current	mA	185	185	
17	Max. Stall Current	mA	560	560	
18	Typical Rated Load Power Consumption	mW	430	426	
19	Typical N/L Current	mA	42	50	
20	Typical Peak Efficiency	%	27	26	
21	Typical Peak Eff. Torque	mN·m	10.7	22	
22	Typical Peak Eff. Speed	rpm	125	52	
23	Typical Peak Eff. Current	mA	174	152	
24	Typical Peak Eff. Power Out	mW	140	120	
25	Typical Max. Output Power	mW	185	168	
26	Typical Stall Torque	mN·m	30	60	
Gear Characteristics					
27	Gear Ratio	:1	100	250	
28	Gearhead Type		Spur	Spur	

Winding Characteristics				
29 Typical Terminal Resistance	Ohm	5	5	
30 Typical Terminal Inductance	uH	720	720	
Environmental Characteristics				
31 Max. Operating Temp.	°C	60	60	
32 Min. Operating Temp.	°C	-10	-10	
33 Max. Storage & Transportation Temp.	°C	80	80	
34 Min. Storage & Transportation Temp.	°C	-30	-30	
Packaging				
35 No. of Units per Carton	pcs	500	500	

Motor Body Characteristics	Performance
36 No. of Poles	

