215-200 16mm DC Gearmotor - 38mm Type

PRECISION MICRODRIVES ™

		Units	Samples available 215-200
Design and Accessories			
1	Commutation		Precious Metal Brush
2	No. of Output Shafts		1
3	Unit Weight	g	22.5
4	Body Diameter	mm	15.6
5	Body Length	mm	37.7
6	Rotation Direction		CCW
7	Bearing Type		Sintered Bronze
Physical Characteristics			
8	Shaft Diameter	mm	3
9	Shaft Length	mm	8.2
10	Shaft Orientation		Inline
11	Motor Construction		Iron Core
Operational Characteristics			
12	Typical Max. Mech. Noise	dB(A)	60
13	Rated Operating Voltage	V	7
14	Rated Load	mN·m	120
15	Rated Load Speed	rpm	13.5
16	N/L Speed	rpm	18
17	Max. Start Voltage	V	2.2
18	Max. N/L Current	mA	42
19	Max. Operating Voltage	V	8.4
20	Max. Rated Load Current	mA	125
21	Min. Insulation Resistance	MOhm	10
22	Max. Start Current	mA	330
23	Typical Rated Load Power Consumption	mW	670
24	Typical N/L Current	mA	30
25	Typical Peak Efficiency	%	28
26	Typical Peak Eff. Torque	mN·m	123
27	Typical Peak Eff. Speed	rpm	14
28	Typical Peak Eff. Current	mA	93
29	Typical Peak Eff. Power Out	mW	179

30	Typical Start Current	mA	295
31	Typical Max. Output Power	mW	236
32	Typical Stall Torque	mN·m	330
Gear Characteristics			
33	Gear Ratio	:1	360
34	Gearhead Type		Spur
Winding Characteristics			
35	Typical Terminal Resistance	Ohm	23
36	Typical Terminal Inductance	uH	5,300
Environmental Characteristics			
37	Max. Operating Temp.	°C	50
38	Min. Operating Temp.	°C	-10
39	Max. Storage & Transportation Temp.	°C	70
40	Min. Storage & Transportation Temp.	°C	-20
Packaging			
41	No. Units per Carton	pcs	300
42	Carton Type		Boxed Trays

Motor Body Characteristics

43	No. of Poles		
44	Shaft Axial Float	mm	

Performance