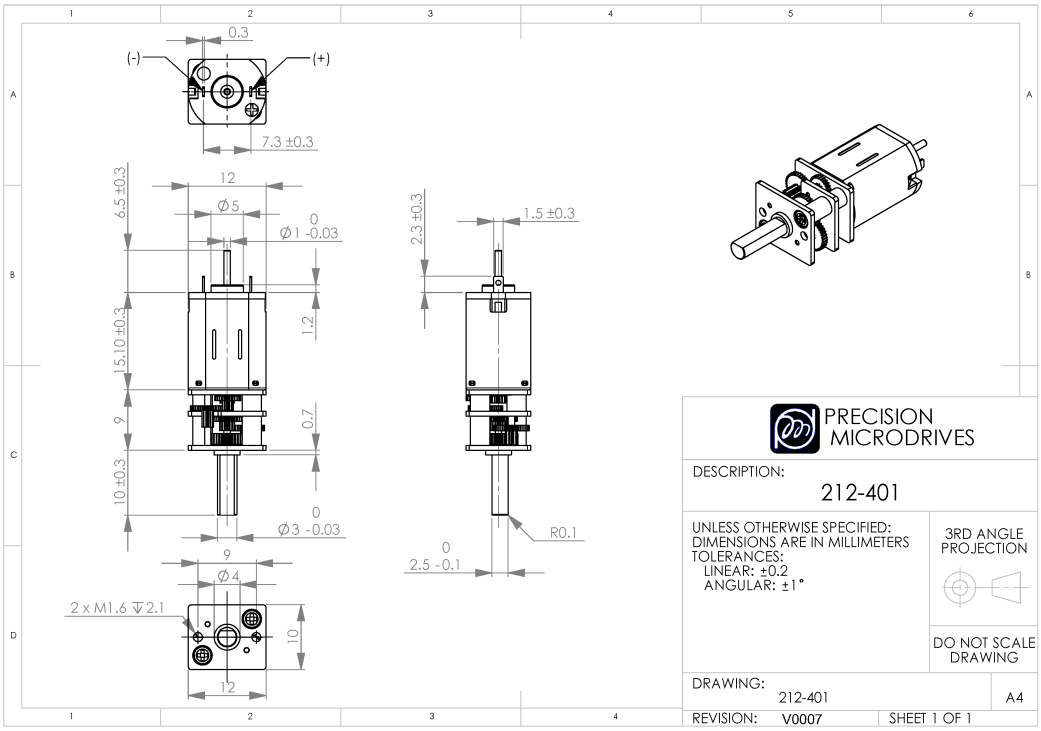
212-401 12mm DC Gearmotor - 24mm Type



			Samples available			
		Units	**212-401**			
Design and Accessories						
1	Commutation		Precious Metal Brush			
2	No. of Output Shafts		2			
3	Unit Weight	g	9.5			
4	Body Diameter	mm	12			
5	Body Length	mm	25			
6	Rotation Direction		CCW			
7	Bearing Type		Sintered Bronze			
Physical Characteristics						
8	Shaft Diameter	mm	3			
9	Shaft Length	mm	8			
10	Shaft Orientation		Inline			
11	Rear Shaft Diameter	mm	1			
12	Rear Shaft Length	mm	6			
13	Motor Construction		Iron Core			
Operational Characteristics						
14	Rated Operating Voltage	V	12			
15	Rated Load	mN·m	5			
16	Rated Load Speed	rpm	440			
17	N/L Speed	rpm	600			
18	Max. Start Voltage	V	1.4			
19	Max. N/L Current	mA	35			
20	Max. Operating Voltage	V	14.4			
21	Max. Rated Load Current	mA	95			
22	Min. Insulation Resistance	MOhm	1			
23	Max. Start Current	mA	240			
24	Typical Rated Load Power Consumption	mW	960			
25	Typical N/L Current	mA	28			
26	Typical Peak Efficiency	%	31			
27	Typical Peak Eff. Torque	mN·m	5.8			
28	Typical Peak Eff. Speed	rpm	530			
29	Typical Peak Eff. Current	mA	87			

30	Typical Peak Eff. Power Out	mW	320
31	Typical Start Current	mA	240
32	Typical Max. Output Power	mW	440
33	Typical Stall Torque	mN·m	13
Gear Characteristics			
34	Gear Ratio	:1	29.5
35	Gearhead Type		Spur
Winding Characteristics			
36	Typical Terminal Resistance	Ohm	30
37	Typical Terminal Inductance	uH	4,900
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	500
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