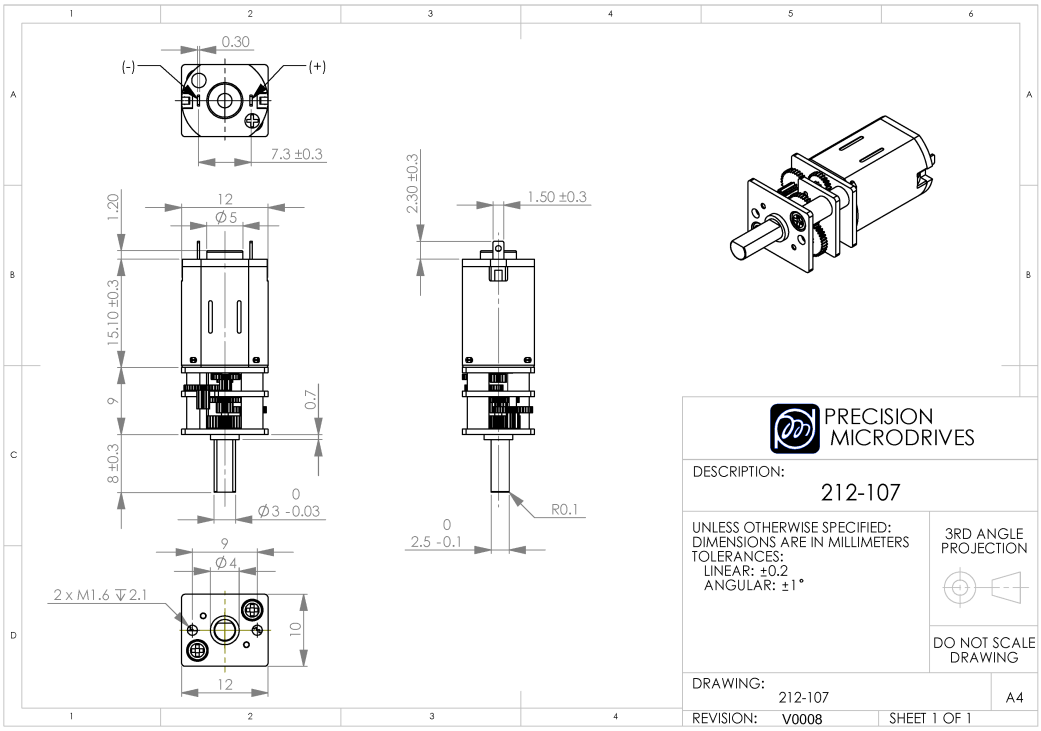
212-107 12mm DC Gearmotor - 24mm Type



			Samples available			
		Units	**212-107**			
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	8			
10	Shaft Orientation		Inline			
11	Motor Construction		Iron Core			
Operational Characteristics						
12	Typical Max. Mech. Noise	dB(A)	60			
13	Rated Operating Voltage	V	3			
14	Rated Load	mN·m	5			
15	Rated Load Speed	rpm	250			
16	N/L Speed	rpm	410			
17	Max. Start Voltage	V	1			
18	Max. N/L Current	mA	56			
19	Max. Operating Voltage	V	3.6			
20	Max. Rated Load Current	mA	195			
21	Min. Insulation Resistance	MOhm	10			
22	Max. Start Current	mA	542			
23	Max. Stall Current	mA	600			
24	Typical Rated Load Power Consumption	mW	490			
25	Typical N/L Current	mA	47			
26	Typical Peak Efficiency	%	40			
27	Typical Peak Eff. Torque	mN·m	6			
28	Typical Peak Eff. Speed	rpm	313			
29	Typical Peak Eff. Current	mA	160			

30	Typical Peak Eff. Power Out	mW	196
31	Typical Start Current	mA	542
32	Typical Max. Output Power	mW	277
33	Typical Stall Torque	mN·m	15
Gear Characteristics			
34	Gear Ratio	:1	30
35	Gearhead Type		Spur
Winding Characteristics			
36	Typical Terminal Resistance	Ohm	4.4
37	Typical Terminal Inductance	uH	730
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	1,000
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