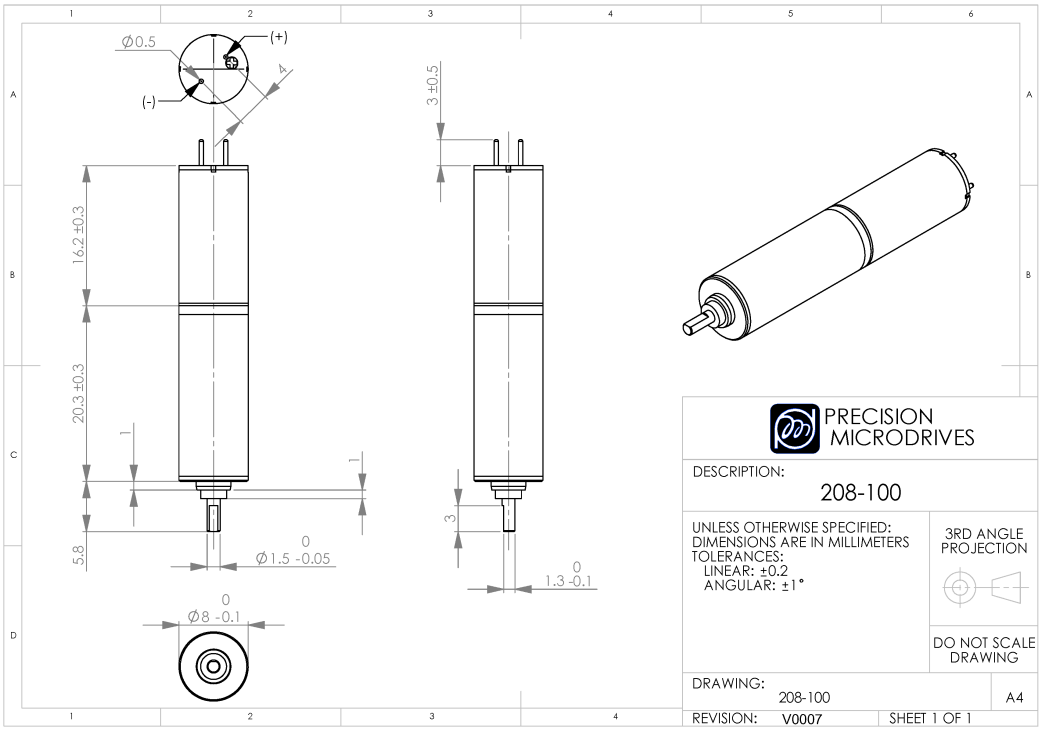
208-100 8mm DC Gearmotor - 37mm Type



			Samples available			
		Units	**208-100**			
Design and Accessories						
1	Commutation		Precious Metal Brush			
2	No. of Output Shafts		1			
3	Unit Weight	g	9.5			
4	Body Diameter	mm	8			
5	Body Length	mm	36.5			
6	Rotation Direction		CW			
7	Bearing Type		Sintered Bronze			
Physical Characteristics						
8	Shaft Diameter	mm	1.5			
9	Shaft Length	mm	5.8			
10	Shaft Orientation		Inline			
11	Motor Construction		Coreless			
Operational Characteristics						
12	Rated Operating Voltage	V	3			
13	Rated Load	mN·m	80			
14	Rated Load Speed	rpm	11			
15	N/L Speed	rpm	14			
16	Max. Start Voltage	V	1.1			
17	Max. N/L Current	mA	80			
18	Max. Operating Voltage	V	3.5			
19	Max. Rated Load Current	mA	150			
20	Min. Insulation Resistance	MOhm	10			
21	Max. Start Current	mA	420			
22	Typical Rated Load Power Consumption	mW	350			
23	Typical N/L Current	mA	45			
24	Typical Peak Efficiency	%	30			
25	Typical Peak Eff. Torque	mN·m	80			
26	Typical Peak Eff. Speed	rpm	11			
27	Typical Peak Eff. Current	mA	117			
28	Typical Peak Eff. Power Out	mW	95			
29	Typical Start Current	mA	390			

30	Typical Max. Output Power	mW	130
31	Typical Stall Torque	mN·m	260
Gear Characteristics			
32	Gear Ratio	:1	1,024
33	Gearhead Type		Planetary
Winding Characteristics			
34	Typical Terminal Resistance	Ohm	7.7
35	Typical Terminal Inductance	uH	90
Environmental Characteristics			
36	Max. Operating Temp.	°C	60
37	Min. Operating Temp.	°C	-10
38	Max. Storage & Transportation Temp.	°C	70
39	Min. Storage & Transportation Temp.	°C	-20
Packaging			
40	No. Units per Carton	pcs	750
41	Carton Type		Boxed Trays

Motor Body Characteristics		
42	No. of Poles	
43	Shaft Axial Float	mm

Performance