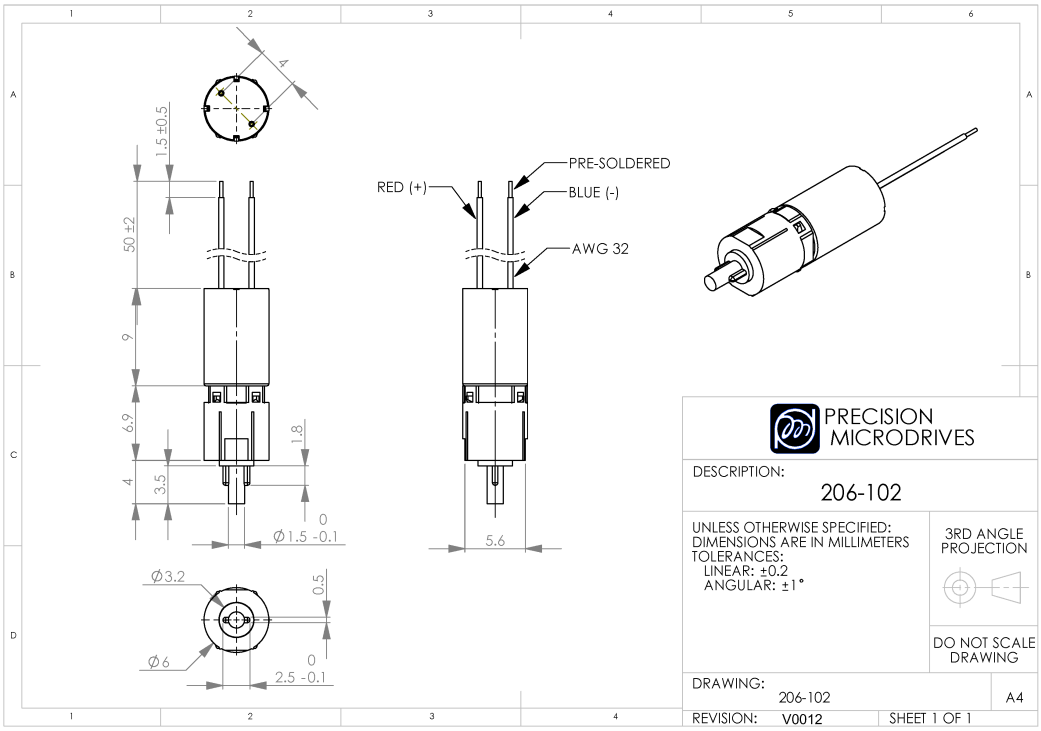
206-102 6mm DC Gearmotor - 16mm Type



			Samples available			
		Units	**206-102**			
Design and Accessories						
1	Commutation		Precious Metal Brush			
2	No. of Output Shafts		1			
3	Unit Weight	g	1.2			
4	Body Diameter	mm	6			
5	Body Length	mm	15.8			
6	Rotation Direction		CW			
7	Bearing Type		Sintered Bronze			
Physical Characteristics						
8	Shaft Diameter	mm	1.5			
9	Shaft Length	mm	3.5			
10	Shaft Orientation		Inline			
11	Motor Construction		Coreless			
Operational Characteristics						
12	Typical Max. Mech. Noise	dB(A)	50			
13	Rated Operating Voltage	V	3			
14	Rated Load	mN·m	0.2			
15	Rated Load Speed	rpm	1,300			
16	N/L Speed	rpm	2,000			
17	Max. Start Voltage	V	0.7			
18	Max. N/L Current	mA	70			
19	Max. Operating Voltage	V	3.6			
20	Max. Rated Load Current	mA	100			
21	Min. Insulation Resistance	MOhm	1			
22	Max. Start Current	mA	330			
23	Typical Rated Load Power Consumption	mW	250			
24	Typical N/L Current	mA	56			
25	Typical Peak Efficiency	%	22			
26	Typical Peak Eff. Torque	mN·m	0.65			
27	Typical Peak Eff. Speed	rpm	1,390			
28	Typical Peak Eff. Current	mA	138			
29	Typical Peak Eff. Power Out	mW	91			

30	Typical Start Current	mA	330
31	Typical Max. Output Power	mW	109
32	Typical Stall Torque	mN·m	3.4
Gear Characteristics			
33	Gear Ratio	:1	25
34	Gearhead Type		Planetary
Leads & Connectors Characteristics			
35	Lead Length	mm	50
36	Lead Wire Gauge	AWG	30
37	Lead Configuration		Straight
38	Lead Strip Length	mm	1.5
Winding Characteristics			
39	Typical Terminal Resistance	Ohm	7.8
40	Typical Terminal Inductance	uH	27
Environmental Characteristics			
41	Max. Operating Temp.	°C	60
42	Min. Operating Temp.	°C	-10
43	Max. Storage & Transportation Temp.	°C	70
44	Min. Storage & Transportation Temp.	°C	-20
Packaging			
45	No. Units per Carton	pcs	5,000
46	Carton Type		Boxed Trays

Motor Body Characteristics		
47	No. of Poles	
48	Shaft Axial Float	mm

Performance