



 PRECISION MICRODRIVES	
DESCRIPTION: 206-110	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: N7 TOLERANCES: LINEAR: $\pm 0.2$ ANGULAR: $\pm 1^\circ$	3RD ANGLE PROJECTION  DO NOT SCALE DRAWING
DRAWING: 206-110	A4
REVISION: V0010	SHEET 1 OF 1

	Units	Samples available			
		206-110			

#### 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 16.3
6	Rotation Direction	CW
7	Bearing Type	Sintered Bronze

#### Physical Characteristics

8	Shaft Diameter	mm 2
9	Shaft Length	mm 3.6
10	Shaft Orientation	Inline
11	Motor Construction	Coreless

#### Operational Characteristics

12	Rated Operating Voltage	V 3
13	Rated Load	mN·m 1
14	Rated Load Speed	rpm 600
15	N/L Speed	rpm 1,200
16	Max. Start Voltage	V 1
17	Max. N/L Current	mA 50
18	Max. Operating Voltage	V 3.6
19	Max. Rated Load Current	mA 110
20	Min. Insulation Resistance	MΩhm 1
21	Max. Start Current	mA 230
22	Typical Rated Load Power Consumption	mW 280
23	Typical N/L Current	mA 35
24	Typical Peak Efficiency	% 29
25	Typical Peak Eff. Torque	mN·m 0.8
26	Typical Peak Eff. Speed	rpm 850
27	Typical Peak Eff. Current	mA 80
28	Typical Peak Eff. Power Out	mW 70
29	Typical Start Current	mA 185

30	Typical Max. Output Power	mW	85
31	Typical Stall Torque	mN·m	2.3

**Gear Characteristics**

32	Gear Ratio	:	1	25
33	Gearhead Type			Planetary

**Leads & Connectors Characteristics**

34	Lead Length	mm	100
35	Lead Wire Gauge	AWG	32
36	Lead Configuration		Straight
37	Lead Strip Length	mm	1.5

**Winding Characteristics**

38	Typical Terminal Resistance	Ohm	14.5
39	Typical Terminal Inductance	uH	70

**Environmental Characteristics**

40	Max. Operating Temp.	°C	60
41	Min. Operating Temp.	°C	-10
42	Max. Storage & Transportation Temp.	°C	70
43	Min. Storage & Transportation Temp.	°C	-20

**Packaging**

44	No. of Units per Carton	pcs	2,000
45	Carton Type		Boxed Trays

**Motor Body Characteristics**

46	No. of Poles	
47	Shaft Axial Float	mm

**Performance**