



PRECISION MICRODRIVES

DESCRIPTION: **212-117**

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS
 TOLERANCES:
 LINEAR: ±0.2
 ANGULAR: ±1°

3RD ANGLE PROJECTION

DO NOT SCALE DRAWING

DRAWING: 212-117
 REVISION: V0007 SHEET 1 OF 1

A4

	Samples available		
Units	212-117		

Design and Accessories

1	Commutation		Precious Metal Brush
2	No. of Output Shafts		1
3	Unit Weight	g	10.3
4	Body Diameter	mm	12
5	Body Length	mm	27.3
6	Rotation Direction		CW
7	Bearing Type		Sintered Bronze

Physical Characteristics

8	Shaft Diameter	mm	3
9	Shaft Length	mm	10
10	Shaft Orientation		Inline
11	Motor Construction		Iron Core

Operational Characteristics

12	Rated Operating Voltage	V	3
13	Rated Load	mN-m	100
14	Rated Load Speed	rpm	8
15	N/L Speed	rpm	10
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	150
20	Min. Insulation Resistance	MOhm	1
21	Max. Start Current	mA	470
22	Typical Rated Load Power Consumption	mW	345
23	Typical N/L Current	mA	35
24	Typical Peak Efficiency	%	24
25	Typical Peak Eff. Torque	mN-m	98
26	Typical Peak Eff. Speed	rpm	7.9
27	Typical Peak Eff. Current	mA	113
28	Typical Peak Eff. Power Out	mW	82
29	Typical Start Current	mA	360

30	Typical Max. Output Power	mW	110
31	Typical Stall Torque	mN-m	290
Gear Characteristics			
32	Gear Ratio	:1	1,000
33	Gearhead Type		Spur
Winding Characteristics			
34	Typical Terminal Resistance	Ohm	7
35	Typical Terminal Inductance	uH	1,300
Environmental Characteristics			
36	Max. Operating Temp.	°C	50
37	Min. Operating Temp.	°C	-10
38	Max. Storage & Transportation Temp.	°C	80
39	Min. Storage & Transportation Temp.	°C	-40
Packaging			
40	No. Units per Carton	pcs	500
41	Carton Type		Boxed Trays

Motor Body Characteristics			
42	No. of Poles		
43	Shaft Axial Float	mm	
44	Max. Axial Compression	N	
45	Max. Radial Load	mN	

Performance

