


 PRECISION MICRODRIVES

DESCRIPTION: 212-40D

 UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN MILLIMETERS
 TOLERANCES:
 LINEAR: ± 0.2
 ANGULAR: $\pm 1^\circ$


DO NOT SCALE DRAWING

DRAWING: 212-40D

A4

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	Samples available			
Units	212-40D			

Design and Accessories

1	Commutation	Precious Metal Brush
2	No. of Output Shafts	1
3	Unit Weight	g 9.4
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 10
10	Shaft Orientation	Inline
11	Motor Construction	Iron Core

Operational Characteristics

12	Typical Max. Mech. Noise	dB(A) 60
13	Rated Operating Voltage	V 12
14	Rated Load	mN·m 60
15	Rated Load Speed	rpm 53
16	N/L Speed	rpm 68
17	Max. Start Voltage	V 2
18	Max. N/L Current	mA 40
19	Max. Operating Voltage	V 14.4
20	Max. Rated Load Current	mA 125
21	Max. Stall Current	mA 425
22	Typical Rated Load Power Consumption	mW 1,037
23	Typical N/L Current	mA 18
24	Typical Peak Efficiency	% 32.4
25	Typical Peak Eff. Torque	mN·m 51.3
26	Typical Peak Eff. Speed	rpm 55.3
27	Typical Peak Eff. Current	mA 76
28	Typical Peak Eff. Power Out	mW 297
29	Typical Start Current	mA 342

30	Typical Max. Output Power	mW	439
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Gear Characteristics

31	Gear Ratio	:1	297.9
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32	Gearhead Type		Spur
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Winding Characteristics

33	Typical Terminal Resistance	Ohm	33
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34	Typical Terminal Inductance	uH	5,600
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Environmental Characteristics

35	Max. Operating Temp.	°C	50
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36	Min. Operating Temp.	°C	-10
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37	Max. Storage & Transportation Temp.	°C	80
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38	Min. Storage & Transportation Temp.	°C	-40
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Packaging

39	No. Units per Carton	pcs	500
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40	Carton Type		Boxed Trays
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Motor Body Characteristics | **Performance**

41	No. of Poles		
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42	Shaft Axial Float	mm	
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