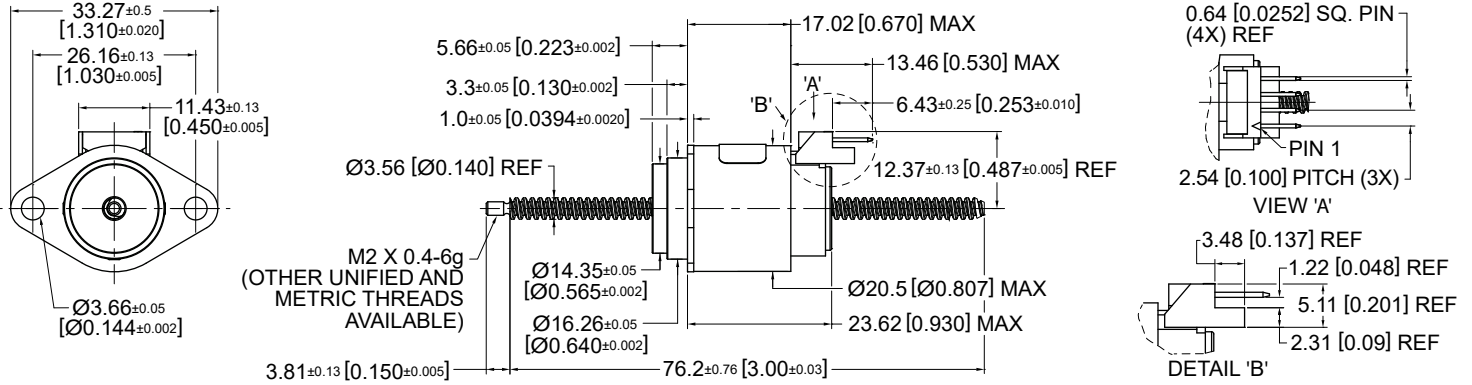


20DBM-L

Ø 20 mm • RoHS Compliant • 50 N



Dimensions in mm. [inches]

Electrical Data	20DBMXX●●●-L				Unit
	D2B Bipolar	D1B Bipolar	D3B Bipolar	D4B Bipolar	
1 Nominal Voltage	12	5	2.9	1.4	VDC
2 No-Load Speed	100.5	17.5	5.7	1.4	Ohms
3 No-Load Current	45.0	7.0	2.4	0.6	mH
4 Terminal Resistance	0.17	0.41	0.71	1.41	A
5 Rotor Inertia	2.9	2.9	2.9	2.9	W

General Data	XX Linear travel per step			Unit
	05	20		
6 Min. Holding Force @ rated current	@ .0005" (0.0127mm)	@ .001" (0.0254mm)	50 (180)	N (oz)
7 Min. Holding Force (Unenergized)	@ .0005" (0.0127mm)	@ .001" (0.0254mm)	35 (126)	N (oz)
	@ .002" (0.0508mm)	@ .002" (0.0508mm)	22 (79)	N (oz)
	@ .0005" (0.0127mm)	@ .001" (0.0254mm)	50 (180)	N (oz)
8 Stroke Length, Typ	@ .001" (0.0254mm)	@ .002" (0.0508mm)	13.9 (50)	N (oz)
	@ .001" (0.0254mm)	@ .002" (0.0508mm)	5.5 (20)	N (oz)
9 Linear Travel Accuracy			50 (1.97)	mm (in)
10 Steps per Revolution			± 1 Step	
11 Ambient Temperature Range (operating)			48	
12 Maximum Coil Temperature			-20 to +70 (-4 to +158)	°C (°F)
13 Bearing Type			130 (266)	°C (°F)
14 Insulation Resistance at 500 VDC			Ball Bearing	
15 Dielectric Withstanding Voltage			20	Mohms
16 Weight			650 for 2 seconds	VAC
17 Leadwire			35 (1.23)	g (oz)

Notes: 1. All motor data values at 20° C unless otherwise specified – 2. # Voltage in case of voltage driver (indicator R-I)

