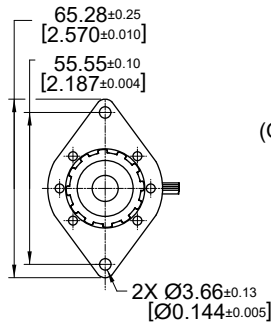


42DBL-L

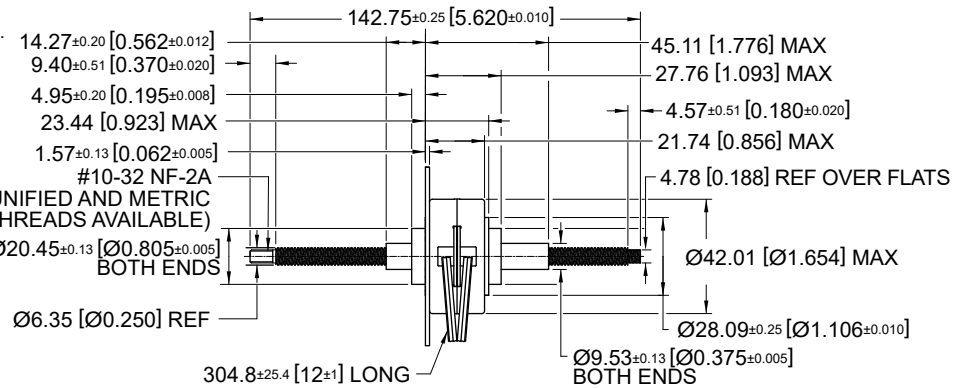
Ø 42 mm • RoHS Compliant • 102.9 N

NOTES :

1. SHAFT AXIAL BACKLASH : 0.15 [.006] MAX.



14.27±0.20 [0.562±0.012]
 9.40±0.51 [0.370±0.020]
 4.95±0.20 [0.195±0.008]
 23.44 [0.923] MAX
 1.57±0.13 [0.062±0.005]
 #10-32 NF-2A
 (OTHER UNIFIED AND METRIC
 THREADS AVAILABLE)
 Ø20.45±0.13 [Ø0.805±0.005]
 BOTH ENDS



Dimensions in mm. [inches]

Electrical Data		42DBLXX...-L				Unit
		C1B Bipolar	C2B Bipolar	C1U Unipolar	C2U Unipolar	
1	Operating Voltage #	5	12	5	12	VDC
2	Resistance per Phase, ± 10%	5.0	28.8	5.0	28.8	Ohms
3	Inductance per Phase, typ	5.5	39.3	3.7	15.0	mH
4	Rated Current per Phase, 1 Phase ON	1.41	0.59	1.41	0.59	A
5	Input Power	10.0	10.0	10.0	10.0	W

General Data		XX	Linear travel per step		
6	Min. Holding Force @ rated current	10	@ .001" (0.0254mm)	102.9 (370)	100 (360)
		20	@ .002" (0.0508mm)	83.4 (300)	72.3 (260)
		40	@ .004" (0.1016mm)	55.6 (200)	50 (180)
		10	@ .001" (0.0254mm)		100 (360)
7	Min. Holding Force (Unenergized)	20	@ .002" (0.0508mm)	83.4 (300)	
		40	@ .004" (0.1016mm)	19.5 (70)	
				76.2 (3)	
				± 1 Step	
8	Stroke Length, Typ			48	
9	Linear Travel Accuracy				
10	Steps per Revolution				
11	Ambient Temperature Range (operating)			-20 to +70 (-4 to +158)	°C (°F)
12	Maximum Coil Temperature			130 (266)	°C (°F)
13	Bearing Type			Ball Bearing	
14	Insulation Resistance at 500 VDC			20	Mohms
15	Dielectric Withstanding Voltage			650 for 2 seconds	VAC
16	Weight			156 (5.51)	g (oz)
17	Leadwire			AWG 26, UL 1430	

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

