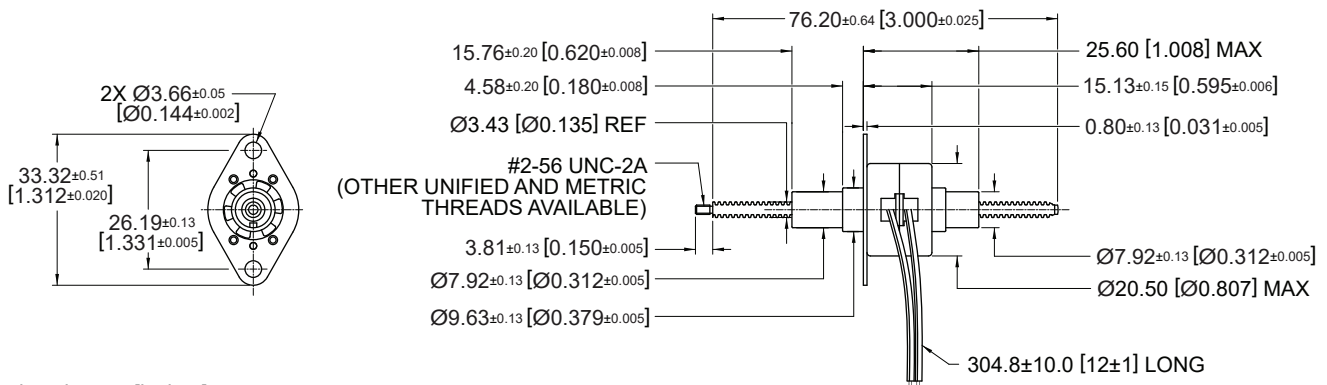


20DAM-L

Ø 20 mm • RoHS Compliant • 30.6 N



Dimensions in mm. [inches]

Electrical Data	20DAMXX•••-L				Unit
	D1B Bipolar	D2B Bipolar	D1U Unipolar	D2U Unipolar	
1 Operating Voltage #	5	12	5	12	VDC
2 Resistance per Phase, ± 10%	20.0	115.2	20.0	115.2	Ohms
3 Inductance per Phase, typ	7.2	40.8	3.8	20.3	mH
4 Rated Current per Phase, 1 Phase ON	0.35	0.14	0.35	0.14	A
5 Input Power	2.5	2.5	2.5	2.5	W

General Data	XX	Linear travel per step	30.6 (110)		20.9 (75)		Unit
			D1B Bipolar	D2B Bipolar	D1U Unipolar	D2U Unipolar	
6 Min. Holding Force @ rated current	10	@ .001" (0.0254mm)	30.6 (110)	20.9 (75)	20.9 (75)	8.3 (30)	N (oz)
	20	@ .002" (0.0508mm)	20.9 (75)	13.9 (50)	13.9 (50)	5.5 (20)	N (oz)
	40	@ .004" (0.1016mm)	11.1 (40)	8.3 (30)	8.3 (30)	3.0 (11)	N (oz)
7 Min. Holding Force (Unenergized)	10	@ .001" (0.0254mm)		20.9 (75)	20.9 (75)	8.3 (30)	N (oz)
	20	@ .002" (0.0508mm)		11.1 (40)	11.1 (40)	4.5 (16)	N (oz)
	40	@ .004" (0.1016mm)		2.8 (10)	2.8 (10)	1.1 (4)	N (oz)
8 Stroke Length, Typ				15 (0.59)	15 (0.59)	15 (0.59)	mm (in)
9 Linear Travel Accuracy				± 1 Step	± 1 Step	± 1 Step	
10 Steps per Revolution				24	24	24	
11 Ambient Temperature Range (operating)				-20 to +70 (-4 to +158)	-20 to +70 (-4 to +158)	-20 to +70 (-4 to +158)	°C (°F)
12 Maximum Coil Temperature				130 (266)	130 (266)	130 (266)	°C (°F)
13 Bearing Type				Ball Bearing	Ball Bearing	Ball Bearing	
14 Insulation Resistance at 500 VDC				20	20	20	Mohms
15 Dielectric Withstanding Voltage				650 for 2 seconds	650 for 2 seconds	650 for 2 seconds	VAC
16 Weight				25 (0.88)	25 (0.88)	25 (0.88)	g (oz)
17 Leadwire				AWG #28, UL1429 (80° C, 150 V)	AWG #28, UL1429 (80° C, 150 V)	AWG #28, UL1429 (80° C, 150 V)	

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

