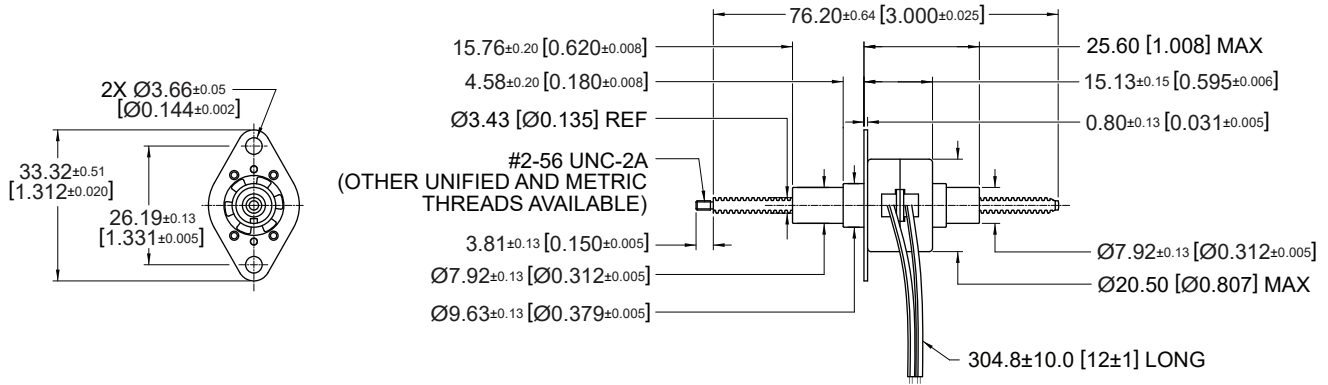


20DAM-L

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	20DAMXX●●●-L				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)		N (oz)
	20	@ .002" (0.0508mm)	20.9 (75)		13.9 (50)		N (oz)
	40	@ .004" (0.1016mm)	11.1 (40)		8.3 (30)		N (oz)
7 Min. Holding Force (Unenergized)	10	@ .001" (0.0254mm)		20.9 (75)			N (oz)
	20	@ .002" (0.0508mm)		11.1 (40)			N (oz)
	40	@ .004" (0.1016mm)		2.8 (10)			N (oz)
8 Stroke Length, Typ				50 (1.97)			mm (in)
9 Linear Travel Accuracy				± 1 Step			
10 Steps per Revolution				24			
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				25 (0.88)			g (oz)
17 Leadwire				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+I)

