

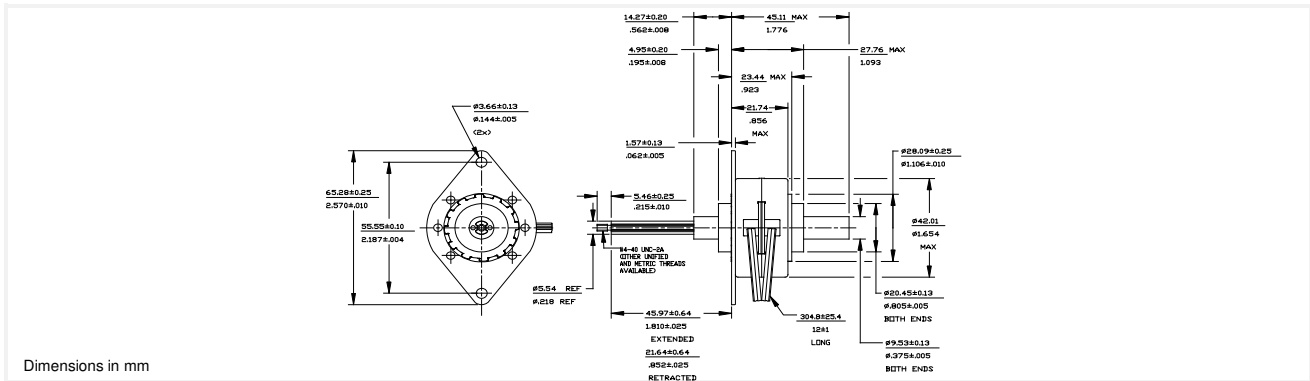
Can Stack Stepper Linear Actuators

42DBL-K

RoHS Compliant

Ø42mm

102.9 N



Dimensions in mm

42DBL-K

Electrical Data	42DBLXXC1B-K Bipolar	42DBLXXC2B-K Bipolar	42DBLXXC1U-K Unipolar	42DBLXXC2U-K 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
Coil independent parameters	XX	Linear travel per step			
6 Min. Holding Force @ rated current	10 @ .001" (0.0254mm)	102.9 (370)		100 (360)	N (oz)
	20 @ .002" (0.0508mm)	83.4 (300)		72.3 (260)	N (oz)
	40 @ .004" (0.1016mm)	55.6 (200)		50 (180)	N (oz)
7 Min. Holding Force (Unenergized)	10 @ .001" (0.0254mm)		100 (360)		N (oz)
	20 @ .002" (0.0508mm)		83.4 (300)		N (oz)
	40 @ .004" (0.1016mm)		19.5 (70)		N (oz)
8 Stroke Length, Typ			24.1 (0.95)		mm (in)
9 Linear Travel Accuracy			± 1 Step		
10 Steps per Revolution			48		
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			

All Motor Data Values at 20°C Unless Otherwise Specified

Voltage in case of voltage driver (indicator of R¹)

