

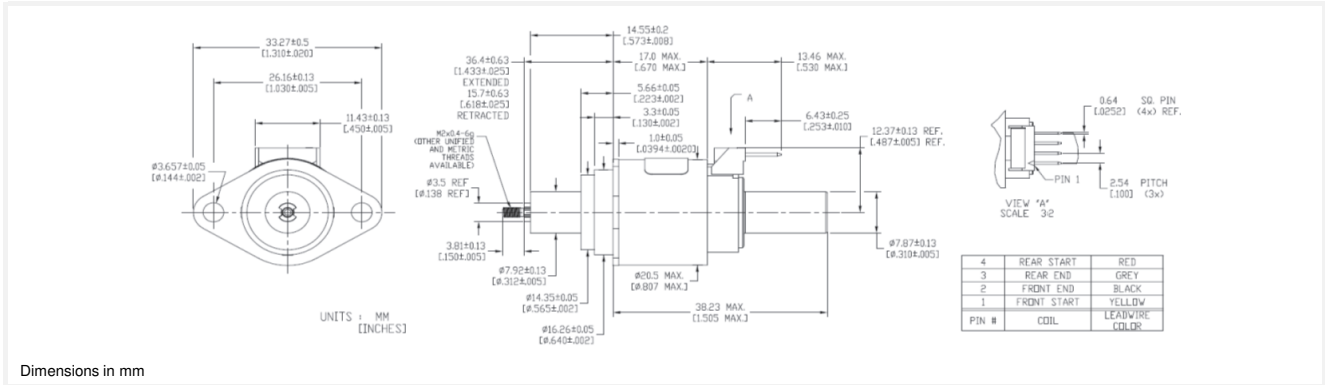
Can Stack Stepper Linear Actuators

20DBM-K

RoHS Compliant

Ø20mm

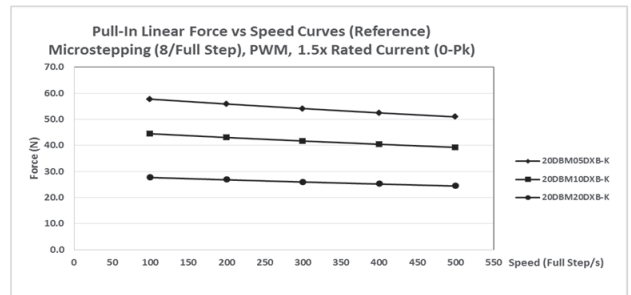
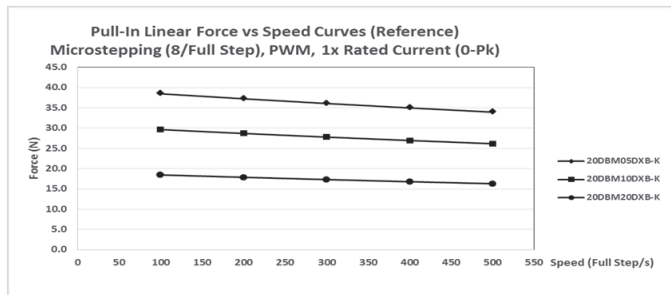
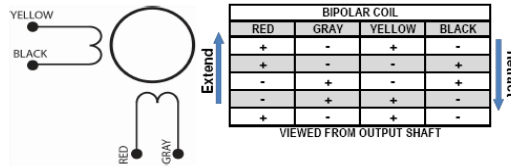
50 N



20DBM-K

Electrical Data	20DBMXXD2B-K	20DBMXXD1B-K	20DBMXXD3B-K	20DBMXXD4B-K	
	Bipolar	Bipolar	Bipolar	Bipolar	
1 Operating Voltage #	12	5	2.9	1.4	VDC
2 Resistance per Phase, ± 10%	100.5	17.5	5.7	1.4	Ohms
3 Inductance per Phase, typ	45.0	7.0	2.4	0.6	mH
4 Rated Current per Phase, 1 Phase ON	0.17	0.41	0.71	1.41	A
5 Input Power	2.9	2.9	2.9	2.9	W
Coil independent parameters		XX	Linear travel per step		
6 Min. Holding Force @ rated current	05 @ .0005" (0.0127mm)		50 (180)		N (oz)
	10 @ .001" (0.0254mm)		35 (126)		N (oz)
	20 @ .002" (0.0508mm)		22 (79)		N (oz)
	05 @ .0005" (0.0127mm)		50 (180)		N (oz)
7 Min. Holding Force (Unenergized)	10 @ .001" (0.0254mm)		13.9 (50)		N (oz)
	20 @ .002" (0.0508mm)		5.5 (20)		N (oz)
			20 (0.79)		mm (in)
8 Stroke Length, Typ			± 1 Step		
9 Linear Travel Accuracy			48		
10 Steps per Revolution			-20 to +70 (-4 to +158)		°C (°F)
11 Ambient Temperature Range (operating)			130 (266)		°C (°F)
12 Maximum Coil Temperature			Ball Bearing		
13 Bearing Type			20		Mohms
14 Insulation Resistance at 500 VDC			650 for 2 seconds		VAC
15 Dielectric Withstanding Voltage			35 (1.23)		g (oz)
16 Weight					
17 Leadwire					

All Motor Data Values at 20°C Unless Otherwise Specified # Voltage in case of voltage driver (indicator of R*1)



Curves created with a 5 Volt motor and a 24 Volt power supply.