

26DAM-L



Series Features

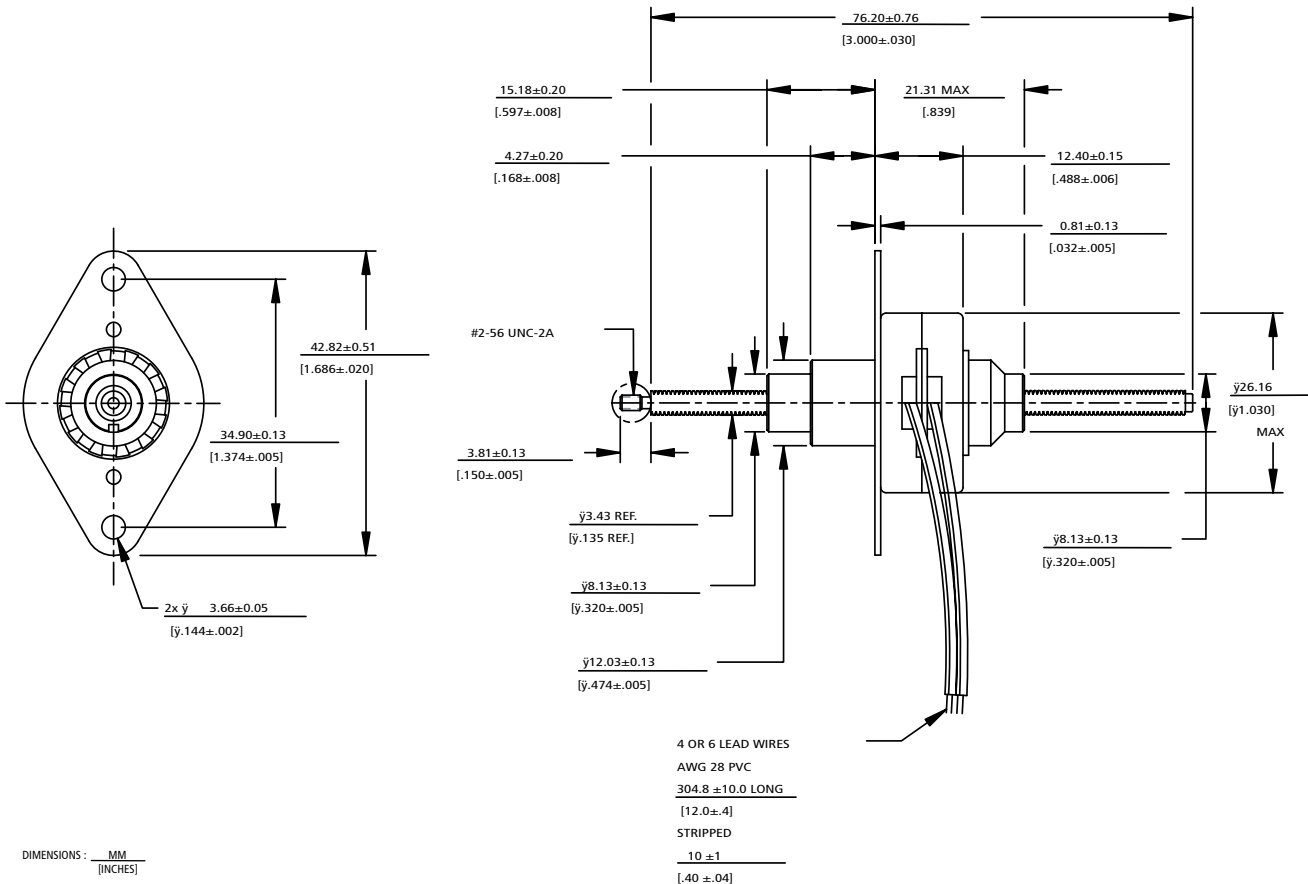
- Competitively priced, high resolution digital linear actuators
- Available with Neodymium magnet
- Linear step resolution – 0.001", 0.002", 0.004"
- Unipolar or bipolar coil construction
- Linear force up to 120 oz (33.4 N)
- 1.71 Watts input power per winding
- Fast, powerful and precise positioning
- Precision radial ball bearing design
- Industry standard frame size
- Customized designs available

26DAM-L Non-captive Version

General Specifications

Max pull-in rate (steps/sec)	500
Power consumption	3.4 Watts
Insulation resistance	20 MΩ
Bearings	Radial Ball

Weight	1.1 oz (31 g)
Operating temp range	-20 deg C to 70 deg C
Storage Temp range	-40 deg C to 85 deg C



26DAM-L Technical Specifications

26DAM-L Non-captive Version

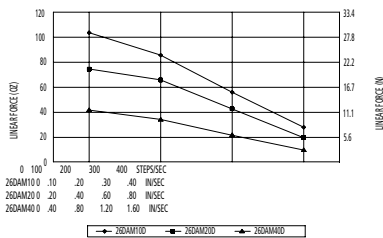
Part Number	Magnet Type	DC Operating Voltage	Linear Travel Per Stop	Maximum Force*	Minimum Holding Force (unenergized)	Maximum Travel
26DAM10B1U-L	Ferrite	5	.001" (0.0254mm)	65 oz (18.1N)	200 oz (55.6N)	1.89" (48.0mm)
26DAM10B2U-L		12				
26DAM20B1U-L		5	.002" (0.0508mm)	52 oz (14.5N)	50 oz (13.9N)	
26DAM20B2U-L		12				
26DAM40B1U-L		5	.004" (0.1016mm)	28 oz (7.8N)	20 oz (5.6N)	
26DAM40B2U-L		12				
26DAM10B1B-L		5	.001" (0.0254mm)	105 oz (29.2N)	200 oz (55.6N)	
26DAM10B2B-L		12				
26DAM20B1B-L		5	.002" (0.0508mm)	76 oz (21.1N)	50 oz (13.9N)	
26DAM20B2B-L		12				
26DAM40B1B-L		5	.004" (0.1016mm)	42 oz (11.7N)	20 oz (5.6N)	
26DAM40B2B-L		12				
26DAM10D1U-L	Neodymium	5	.001" (0.0254mm)	72 oz (20N)	200 oz (55.6N)	
26DAM10D2U-L		12				
26DAM20D1U-L		5	.002" (0.0508mm)	55 oz (15.3N)	70 oz (19.5N)	
26DAM20D2U-L		12				
26DAM40D1U-L		5	.004" (0.1016mm)	32 oz (8.9N)	30 oz (8.3N)	
26DAM40D2U-L		12				
26DAM10D1B-L		5	.001" (0.0254mm)	120 oz (33.4N)	200 oz (55.6N)	
26DAM10D2B-L		12				
26DAM20D1B-L		5	.002" (0.0508mm)	90 oz (25N)	70 oz (19.5N)	
26DAM20D2B-L		12				
26DAM40D1B-L		5	.004" (0.1016mm)	52 oz (14.5N)	30 oz (8.3N)	
26DAM40D2B-L		12				

* Measured with 2 phases energized.

Coil Type	Unipolar		Bipolar	
Coil Data	1U (5VDC)	2U (12VDC)	1B (5VDC)	2B (12VDC)
Resistance Per Phase	14.6 Ω	84 Ω	14.6 Ω	84 Ω
Inductance Per Phase				
Ferrite	4.7 mH Ref	23 mH Ref	8 mH Ref	40.5 mH Ref
Neodymium	3.8 mH Ref	20.5 mH Ref	6.5 mH Ref	33.6 mH Ref

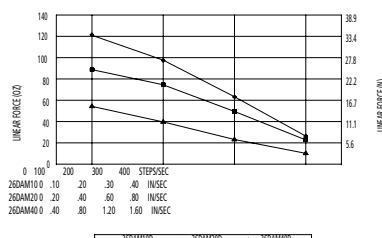
Ferrite - Typical Pull-In Force vs. Linear Rate at 20°C

26DAM Bipolar (Ferrite), L/R Drive

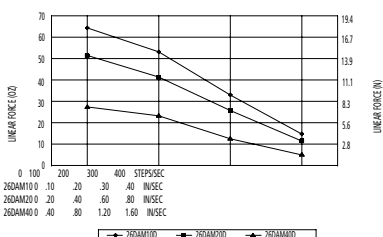


Neodymium - Typical Pull-In Force vs. Linear Rate at 20°C

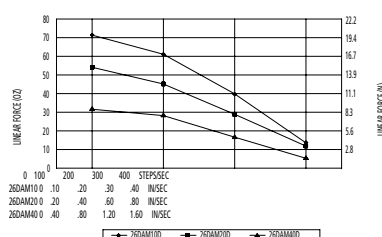
26DAM Bipolar (Neodymium), L/R Drive



26DAM Unipolar (Ferrite), L/R Drive

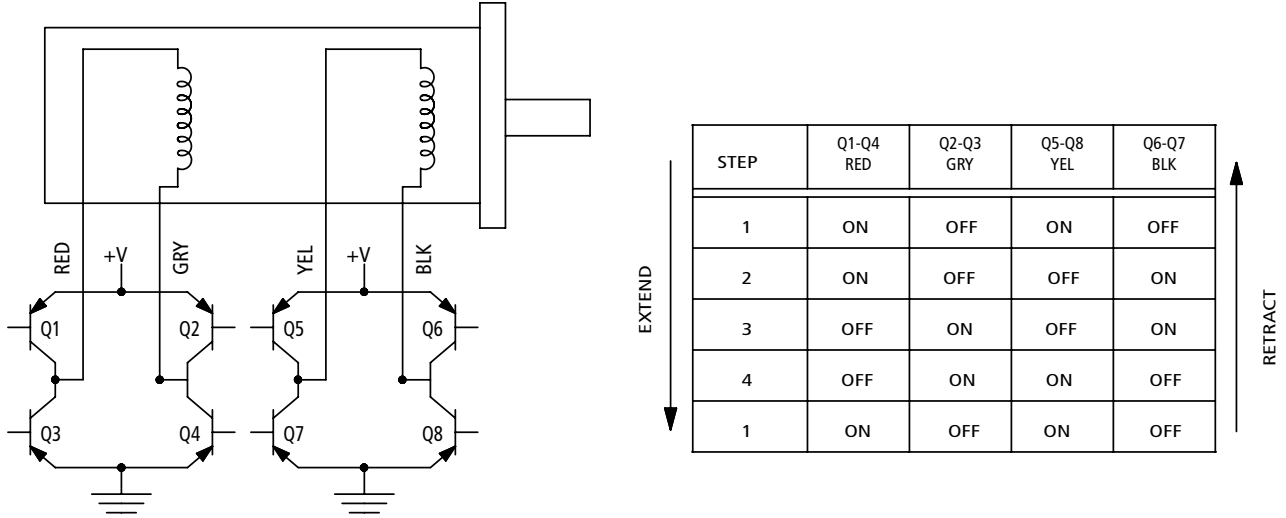


26DAM Unipolar (Neodymium), L/R Drive



26DAM-K Technical Specifications

26DAM Bipolar Schematics Diagram and Switching Sequence



26DAM Unipolar Schematics Diagram and Switching Sequence

