



**Technical Specifications**

Part Number	Unipolar		Bipolar		
	26M048B1U	26M048B2U	26M048B1B	26M048B2B	
Rated voltage	(vdc)	5	12	5	12
Resistance per phase ± 10%	(ohms)	19.60	110.00	19.80	108.00
Inductance per phase, Typ	(mH)	5.30	36.50	13.00	60.70
Rated current per phase *	(amps)	0.26	0.11	0.25	0.11
Holding torque, min *	(oz-in / mNm)	1.3 / 9.2		1.5 / 10.6	
Step angle *	(degrees)	7.5 ± 0.5°			
Steps per revolution *		48			
Detent torque, max	(oz-in / mNm)	0.19 / 1.34			
Thermal resistance	(°C / watt)	N.A.			
Rotor moment of inertia	(oz-in-s <sup>2</sup> / g-cm <sup>2</sup> )	6.01 x 10E-3 / 1.1			
<b>Ambient temperature range</b>					
Operating	(°C)	-20 ~ +70			
Storage	(°C)	-40 ~ +85			
<b>Bearing type</b>					
Sintered Bronze Sleeve					
Insulation resistance at 500vdc	(vac)	100 megohms			
Dielectric withstanding voltage	(lbs / g)	650 for 2 seconds			
<b>Weight</b>					
.075 / 34					
<b>Shaft load ratings, max at 600 rpm</b>					
Radial	(lbs / kg)	.337 / .153			
Axial	(lbs / kg)	.337 / .153			
<b>Leadwires</b>					
AWG 28, UL 1429					
<b>Temperature class, max</b>					
B(130°C)					
<b>RoHS</b>					
Compliant					

All motor data values at 25°C unless otherwise specified

\* Energise at rated current, 2 phase on

Stepper