



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

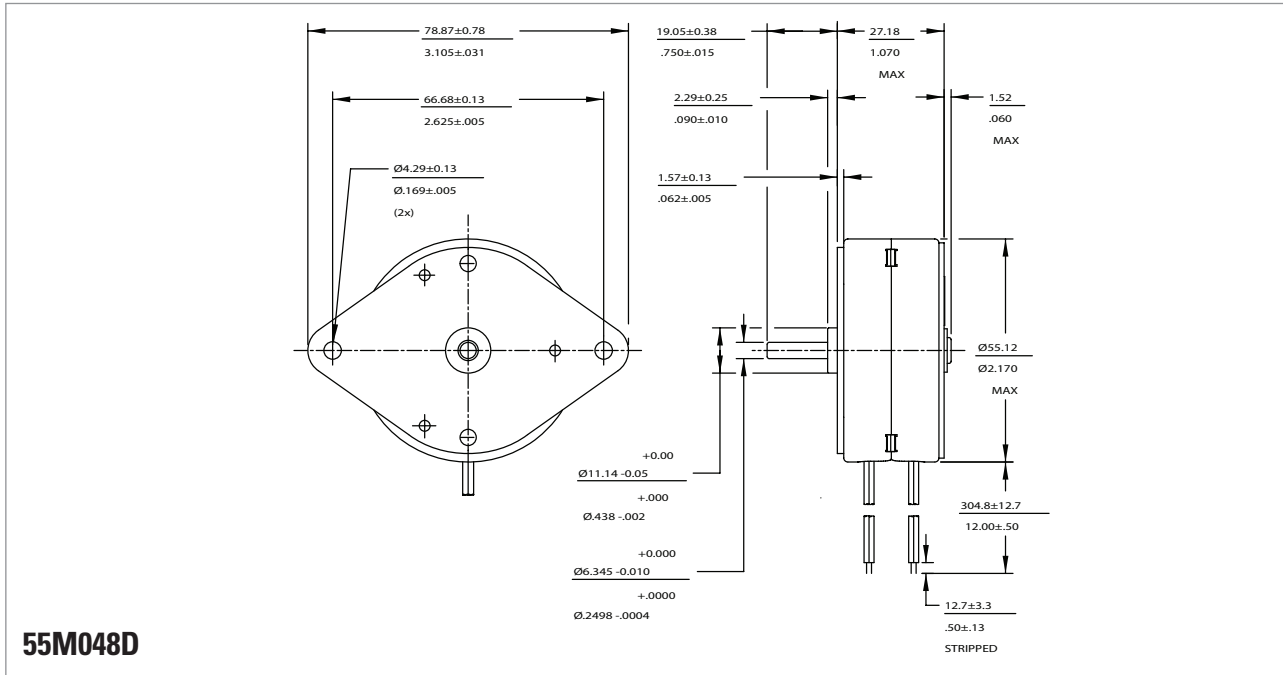
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55M048D



55M048D

Technical Specifications

Part Number	Unipolar		Bipolar		
	55M048D1U	55M048D2U	55M048D1B	55M048D2B	
Rated voltage	(vdc)	5	12	5	12
Resistance per phase $\pm 10\%$	(ohms)	5.20	30.00	5.20	30.00
Inductance per phase, Typ	(mH)	4.70	29.50	9.00	59.00
Rated current per phase *	(amps)	0.96	0.40	0.96	0.40
Holding torque, min *	(oz-in / mNm)	23.0 / 163		27.6 / 195	
Step angle *	(degrees)			$7.5 \pm 0.5^\circ$	
Steps per revolution *				48	
Detent torque, max	(oz-in / mNm)			5.5 / 39	
Thermal resistance	($^\circ\text{C} / \text{watt}$)			N.A.	
Rotor moment of inertia	(oz-in-s ² / g-cm ²)			0.264 / 48.3	
Ambient temperature range					
Operating	($^\circ\text{C}$)			$-20 \sim +70$	
Storage	($^\circ\text{C}$)			$-40 \sim +85$	
Bearing type				Sintered Bronze Sleeve	
Insulation resistance at 500vdc	(M Ω)			100	
Dielectric withstanding voltage	(vrms)			650 for 2 seconds	
Weight	(lbs / g)			0.53 / 238	
Shaft load ratings, max at 1500 rpm					
Radial	(lbs / kg)			2.25 / 1.02 (at shaft center)	
Axial	(lbs / kg)			1.13 / 0.51 (both directions)	
Leadwires				AWG 26, UL 1430	
Temperature class, max	($^\circ\text{C}$)			B(130 $^\circ\text{C}$)	
RoHS				Compliant	

All motor data values at 25 $^\circ\text{C}$ unless otherwise specified

* Energise at rated current, 2 phase on

