

Product Category

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Bearings

Precision Machined Components

Electronic Devices and Components

Rotary Components / Actuator

Stepping motors

Hybrid stepping motors

PM stepping motors

Brushless motors

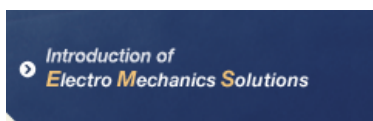
Brush motors

Electromagnetic Clutches and Brakes

Rotation angle sensors (Resolvers)

Air Movers

Measuring Components



PM42L-048

Reference Characteristics

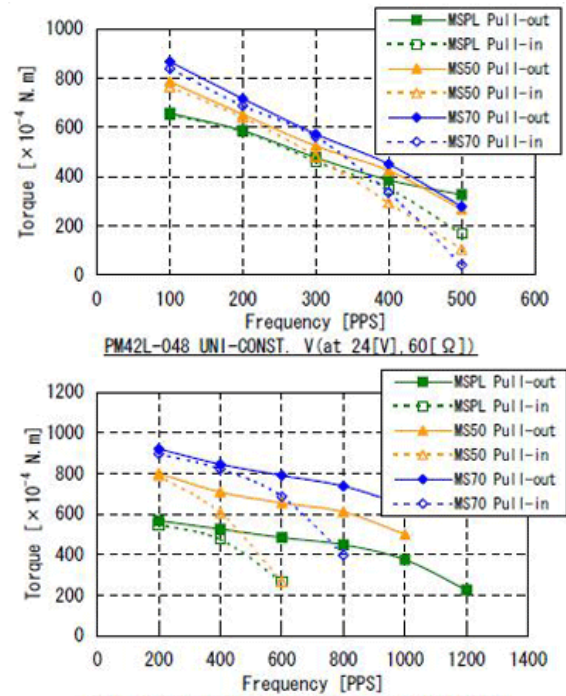
Motor Size	PM42L-048	
Number of Steps per Rotation	48 (7.5deg/Step)	
Drive Method	2-2 PHASE	
Drive Circuit	UNIPOLAR CONST. VOLT.	BIPOLAR CHOPPER
Drive Voltage	24[V]	24[V]
Current/Phase		600[mA]
Coil Resistance/Phase	60[ohms]	7[ohms]
Drive IC	2SC3346	UDN2916B-V
Magnet Material	Ferrite plastic magnet(MSPL)	
	Polar anisotropy ferrite sintered magnet(MS50)	
	Nd-Fe-B bonded magnet(MS70)	
Insulation Resistance	100M[ohms]MIN	
Dielectric Strength	AC 500[V]1[min]	
Class of Insulation	CLASS E	
Operating Temp.	-10[deg.C] - 50[deg.C]	
Storage Temp.	-30[deg.C] - 80[deg.C]	
Operating Hum.	20[%]RH - 90[%]RH	



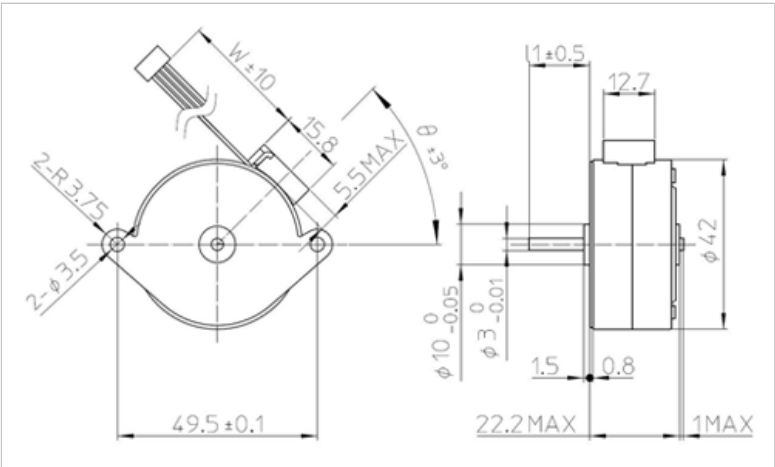
Applications

OA Equipment	:Printers / Scanners
Industrial equipment	:Flow control valves
Toys	:Slot machines
Home automation appliances	:Sewing machines

Torque Characteristic



Overall View



Associated Data

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