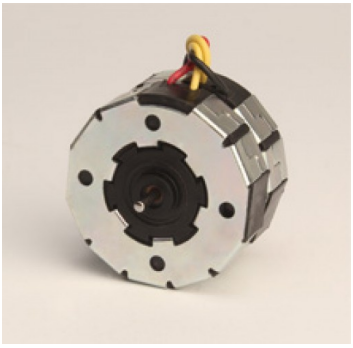
MTS3b

Stepper Motor 15°



Design

15° MTS3b- Permanent magnet stepper motor with simple mechanical structure. Clawpole principle (Tin Can) with 2 stator halves. Self lubricated sinteres sleeve with long life expectancy.

Application

Clocks, Valve actuators, Scientific Instrumentation, Light automation.

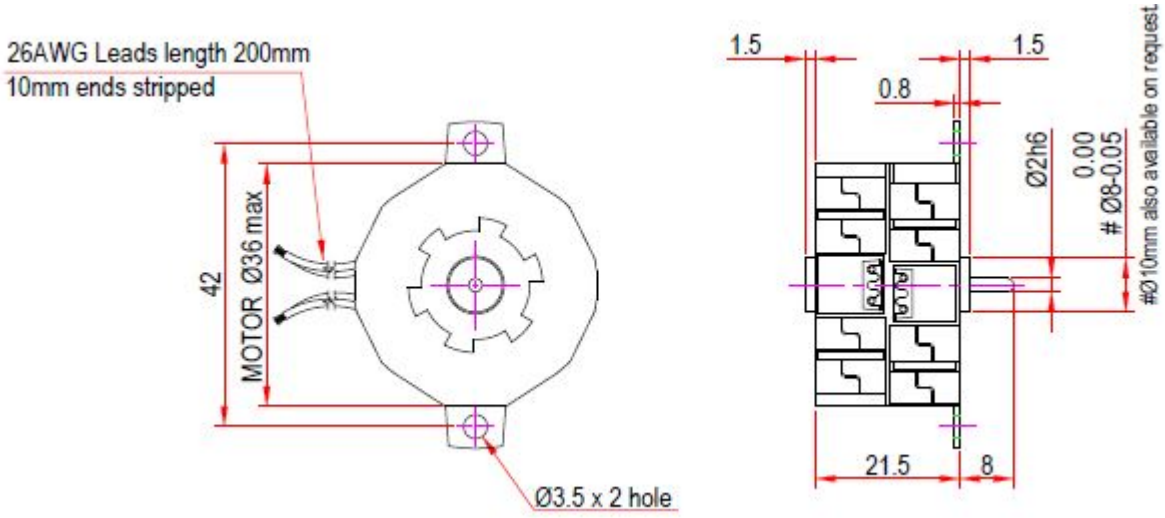
Standard Data

Parameter	Value	Unit
Motor type	Permanent Magnet (PM) stepper motor	
Electrical Enclosure	40	IP
Life expectancy	3 Year in Continuous operation	
Connections	Flexible leads 26 AWG, 200mm length, end striped 10mm	
Weight	65	g
Mounting	Any position by ears or screw clip	

Technical Data

Parameter	Value	Unit
Steps per revolution	24	
Degree/step	15	
Winding type	bipolar, unipolar	
Standard Voltage	3, 6, 12, 24	V
Resistance per winding (Bipolar)	11.5, 18.5, 100, 460	Ω
Resistance per winding (Unipolar)	12, 28.5, 120,500	Ω
Winding temperature	105 max	°C
Holding torque	1.4(MTSB3b), 1(MTSU3b)	Ncm
Axial Force	1	Ncm
Lateral Force	3	Ncm
Rotor inertia	2.9	gcm2

Dimensional Drawing



Torque Graphs