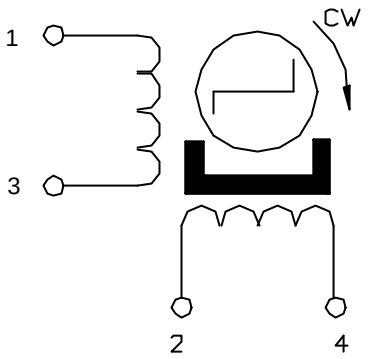
TSM15-180-12-5V-050A-PINS

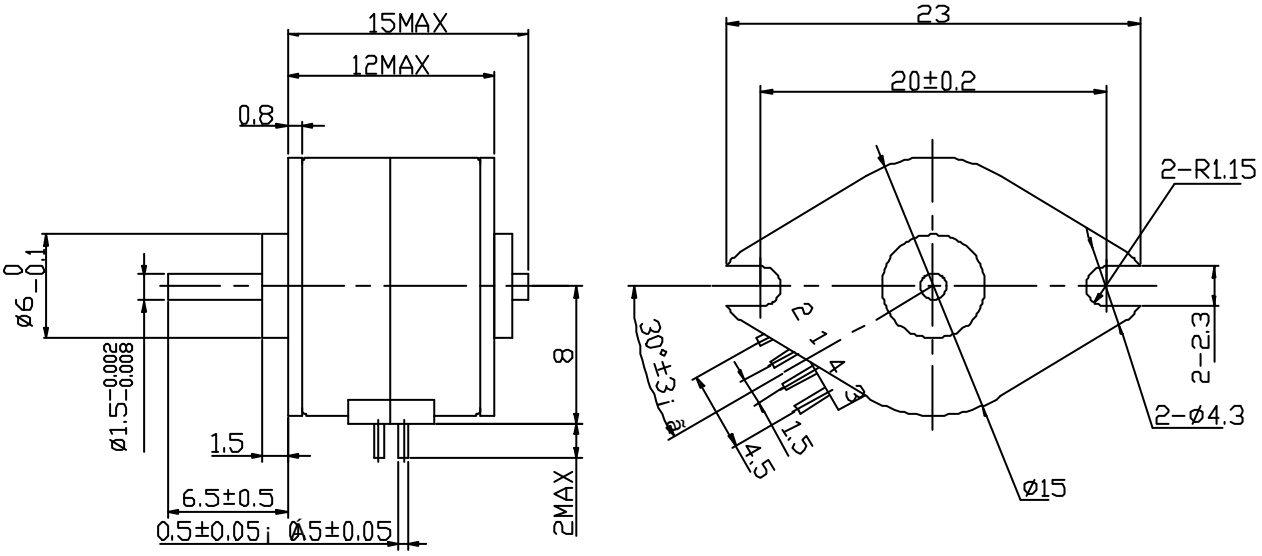
- **Permanent Magnet Stepper Motor**
- **Precise Motion at a Low Cost**
- **27 g-cm of Torque**
- **Only 15mm diameter**
- **Can Be customized for**
  - **- winding current to optimize torque**
  - **- shaft options**
  - **- cables or connectors**

Specifications

Item	Specifications
Step Angle Accuracy	±8% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80° C Max
Ambient Temperature	-20°C to +50°C
Insulation Resistance	100MOMin. ,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.06Max. (450 g-load)
Shaft Axial Play	0.08Max. (450 g-load)



Model	Step Angle (deg)	# of Pins	Voltage (V)	Current per Phase (A)	Resistance Per Phase (ohms)	Holding Torque (g.cm)	Detent Torque (g.cm)	Rotor Inertia (g.cm^2)
TSM15-180-12-5V-050A-PINS	**18**	**4**	**5**	**0.5**	**10**	**27**	**6**	**<1**



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