VAXOR MOTOR

VAXOR PRODUCT CATALOG

Uitra-micro Brushless & Coreless Motor PRODUCT CATALOG

PRODUCT LINEUP

Φ4 • Φ5 • Φ6

ULTRA-COMPACT · HIGH-SPEED · HIGH RELIABILITY

SUZHOU VAXOR-MOTOR CO., LTD.

WWW.VAXOR-MOTOR.COM



ULTRA-MICRO BRUSHLESS & CORELESS MOTOR

VAXOR Φ4 SERIES

Φ4mm ULTRA-MICRO BRUSHLESS & CORELESS MOTOR

*Designed for precision medicine, photon optics, consumer electronics, and other miniature devices with stringent space, speed, and weight requirements. Refer to the specifications before use and avoid operation beyond the stated limits. Contact us for product and technical inquiries.

Φ4 mm	55,000 rpm	0.38 mN•m	1.7 g
Product Diameter	No Load Speed	Nominal Torque	Total Weight



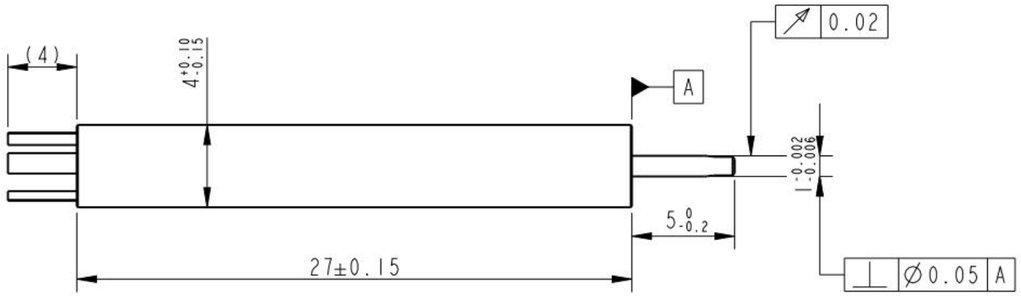
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Φ4 Technical Specifications & Mechanical Dimensions

Parameter	Unit	Value
Nominal Voltage	V	6
No Load Speed	rpm	55000
Nominal Speed	rpm	30000
Nominal Torque	mN·m	0.38
*Nominal Phase Current	A	0.53
*Stalling Torque (Max)	mN·m	0.76
*Stalling Phase Current (Max)	A	1.1
*Terminal Resistance	Ω	2.9
Unbalanced Three-Phase Resistance	%	≤5%
*Terminal Inductance	mH	0.035
Unbalanced Three-Phase Inductance	%	≤5%
Torque Constant	mN·m/A	0.82
Speed Constant	rpm/V	11645
Rotor Inertia	mg·cm²	3.83
Total Weight	g	1.7

*Indicates a deviation of ±10% between actual and theoretical values.

MECHANICAL DIMENSIONS



THERMAL DATA

Parameter	Unit	Value
Loss Power	W	2.35
Chassis Temperature	℃	145