

U16 series

Frameless Torque Motor

MAIN PARAMETERS		U1615	U1625
Voltage (VDC)		12	12
Rated Output (W)		1.57	3.14
Rated torque (N.m)		0.01	0.02
Instant Max Torque (N.m)		0.02	0.04
Rated Current (A)		0.8	0.8
Instant Max Current (A)		1.6	1.6
Rated Speed (rpm)		1500	1500
Max Speed (rpm)		3000	3000
Torque constant (Nm/A)		0.01	0.03
Rotor inertia (kg.cm ²)		0.0000003	0.0000005
Back EMF coefficient (V/KRPM)		3.3	3.3
Resistance (Ω)		5.35	4.5
Inductance (mH)		1.82	1.55
Pole-pairs number (2P)		5	5
Weight (kg)		0.02	0.037
Size (mm)	L1 (Stator stack height)	10	20
	L2 (Rotor height)	10.5	20
	L3 (Overall height)	15.4	25.4

Specification & drawing

