

U38 series Frameless Torque Motor



MAIN PARAMETERS		U3815	U3822	U3834
Voltage(VDC)		48	48	48
Rated Output (W)		31	63	110
Rated torque (Nm)		0.1	0.2	0.35
Instant Max Torque (Nm)		0.3	0.6	1.1
Rated Current (Arms)		3	3.5	4
Instant Max Current (Arms)		9	10.5	12
Rated Speed (rpm)		3000	3000	3000
Max Speed (rpm)		6000	6000	6000
Torque Parameter (Nm/Arms)		0.04	0.06	0.09
Rotor inertia 10 ⁻⁴ kg.m ²		0.02	0.04	0.07
Back EMF coefficient (Vrms/rad/s)		8	10	10
Resistance (Ω)		1.6	1.3	1
Inductance (mH)		1.28	1.1	0.9
Pole-pairs number (2P)		7	7	7
Weight (kg)		0.048	0.068	0.099
Motor height L(mm)	L1	10	17	28
	L2	9	16	27
	L3	15.3	22.3	34.3

Specification & drawing

