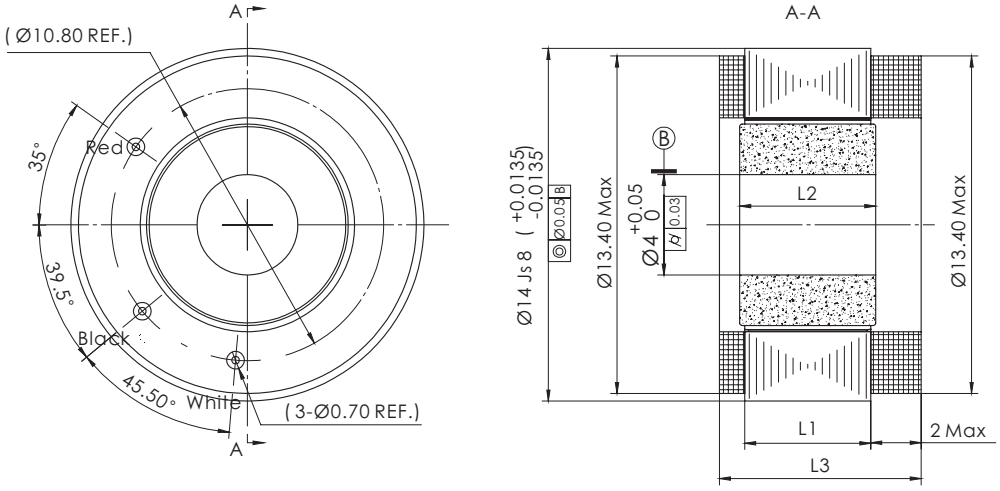
U14 series

Frameless Torque Motor

MAIN PARAMETERS		U1408	U1410	U1414
Voltage(VDC)		24	24	24
Rated Output (W)		3.7	7.8	7.5
Rated torque (N.m)		0.004	0.005	0.012
Instant Max Torque (N.m)		0.008	0.015	0.036
Rated Current (A)		0.2	0.33	0.8
Instant Max Current (A)		0.4	1.5	2.4
Rated Speed (rpm)		9000	15000	6000
Max Speed (rpm)		14000	18000	8000
Torque constant (Nm/A)		0.02	0.0156	0.015
Rotor inertia(kg.cm^2)		0.00015	0.0002	0.00031
Back EMF coefficient(V/KRPM)		1.18	0.94	1.18
Resistance (Ω)		15.6	4.5	15.6
Inductance (mH)		0.9	0.43	0.9
Pole-pairs number (2P)		5	5	5
Weight (kg)		0.015	0.015	0.015
Size(mm)	L1(Stator stack height)	5	6.5	10.5
	L2(Rotor height)	5.4	7.1	11
	L3(Overall height)	8	10	14

Specification & drawing



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