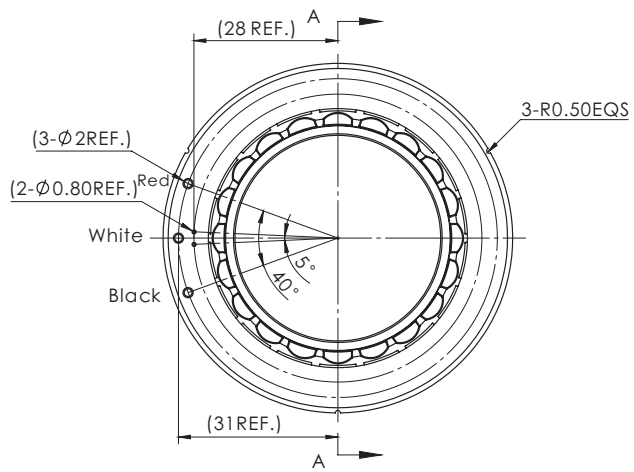
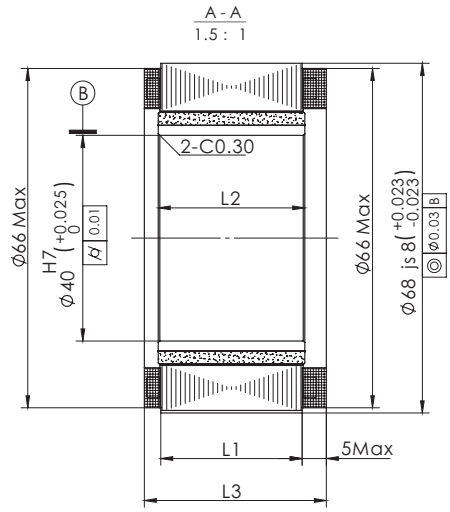
U68 series

Frameless Torque Motor

Model		U6818	U6822	U6836
DC voltage(VDC)		48	48	48
Rated Output (W)		204	270	487
Rated torque(N.m)		0.65	0.86	1.55
Rated Current (A)		6.3	8	12
Rated Speed (rpm)		3000	3000	3000
Maximum Speed (rpm)		4500	4500	4500
Instant Max Torque (N.m)		1.95	2.5	4.65
Instant Max Current(A)		18.9	24	36
Coil resistance(ohms@20℃)		0.46	0.28	0.14
Coil Inductance (mH)		0.57	0.37	0.17
Torque constant (Nm/A)		0.103	0.1075	0.129
Back EMF coefficient (Vrms/KRPM)		7.5	7.3	7.7
Number of pole-pairs(2P)		10	10	10
Rotor inertia(kg.cm²)		0.262	0.37	0.68
Weight(kg)		0.188	0.253	0.427
Size(mm)	L1(Stator stack height)	10	14.5	27.5
	L2(Rotor height)	11	15.5	28.5
	L3(Overall height)	18.6	22.9	36.6

Specification & drawing





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