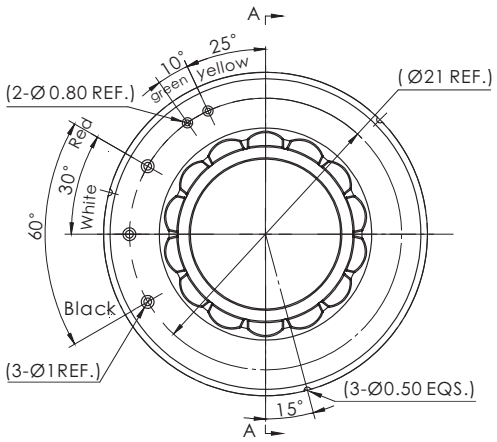
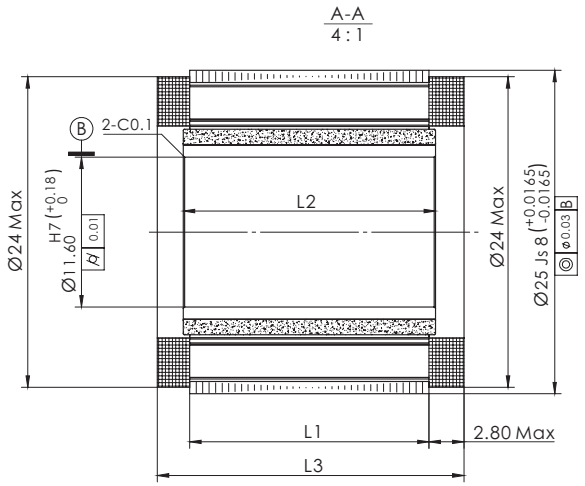
U25 series

Frameless Torque Motor

MAIN PARAMETERS		U2510	U2515	U2523
Voltage(VDC)		24	24	24
Rated Output (W)		15.7	31.4	47.1
Rated torque(N.m)		0.025	0.05	0.075
Rated Current (A)		2	2.1	3
Rated Speed (rpm)		6000	6000	6000
Max Speed (rpm)		8000	8000	8000
Instant Max Torque (N.m)		0.075	0.15	0.225
Instant Max Current(A)		6	6.3	9
Resistance(ohms@20℃)(±10%)		0.92 (REF.)	1.32(REF.)	0.95(REF.)
Inductance(mH)(±10%)		0.18 (REF.)	0.28(REF.)	0.2(REF.)
Torque Parameter(Nm/A)		0.0125	0.024	0.025
Back EMF coefficient (Vrms/Krpm)		0.93	1.67	1.95
Pole-pairs number(2P)		7	7	7
Rotor inertia (kg.cm^2)		0.002	0.003	0.006
Weight (kg)		0.019	0.03	0.045
Size(mm)	L1(Stator stack height)	6.3	10.5	18.5
	L2(Rotor height)	7.3	11.5	19.5
	L3(Overall height)	11.2	15.6	23.7

Specification & drawing





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