

Stator and Rotor Series DC Brushless Motor

● General Information

- ▶ Compact design, high density of torque
- ▶ Low cogging
- ▶ Low rotor inertia and high mechanical strength
- ▶ Easy to integrate into control system
- ▶ Parameters can be customized



● Specification

Specification	Unit	UTH-127-A-30-A-H-000	UTH-127-A-30-A-N-000
Continuous Torque	Nm	4.56	4.56
Peak Torque	Nm	13.7	13.7
Continuous Current	A	5.7	5.7
Ke	V/Krpm	84.6	84.6
Torque Constant	Nm/A	0.808	0.808
Terminal Resistance	Ohms	3.13	3.13
Inductance	Kg.m ²	9.3	9.3
Rotor Inertia		3.76E-04	3.76E-04
Pole Count	mm	12	12
Stator Length (L1)	mm	32.64	27.94
End Turn, Lead Side	mm	11.05	6.35
Stack Height	mm	16.51	16.51
End Turn, Non-Lead Side	mm	5.08	5.08
Rotor Length (L2)	mm	20.57	20.57
Weight - Total	Kg	1.26	1.26

● Mechanical

