



0.05 A

Connector: JST B6P-VH

MOTOR SPECIFICATION		
Voltage	V DC	2.3
Current per Winding	A	4.2
Resistance per Phase (25°C)	±15% Ω	0.55
Inductance per Phase (1 kHz)	±20% mH	2.1
Holding Torque	Nm	2.3
Step Angle	±5% °	1.8
Rotor Inertia	kg m ²	48 × 10 ⁻⁶

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-20 ... 50
Max. Temperature Rise (at standstill - 2 phases energized)	°C	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500

TYPE OF CONNECTION		
Bipolar	Pin No.	Winding
A	1	[Symbol]
A\	3	
B	4	[Symbol]
B\	6	

A-Shaft		Preload Spring		B-Shaft	
Max. Axial Force F_a	N	15			
Max. Radial Force F_r ($a_2 = 20$ mm)	N	75			
Axial Play	$F_a = 4.0$ N	mm	0.08		
Radial Play	$F_r = 4.0$ N	mm	0.02		

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Weight: 1.08 kg	
		Date	Name	SCA5618L4204-A2	
		Drawn	23.04.2019		Schneid_A
		Checked	24.04.2019		Hofstet_M
		Approved	----	----	
Nanotec PLUG & DRIVE				01200305	
REV	Rev. Text	Name	Rel. Date	State: Sample	
				Rev: -	