



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	[Diagram]
A\	3	
B	4	[Diagram]
B\	6	

A-Shaft		Preload Spring		B-Shaft	
Fa	Fr				
Max. Axial Force Fa	N	15			
Max. Radial Force Fr (a2 = 20 mm)	N	75			
Axial Play	Fa = 4.0 N	mm	0.08		
Radial Play	Fr = 4.0 N	mm	0.02		

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Weight: 1.08 kg
		Date	Name	SCA5618L4204-B2
		Drawn	Schneid_A	
		Checked	Hofstet_M	
		Approved	----	01200306
REV	Rev. Text	Name	Rel. Date	State: Sample
 Nanotec [®] PLUG & DRIVE				Rev: -
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