



Connector: JST B6P-VH

MOTOR SPECIFICATION		
Voltage	V DC	2.1
Current per Winding	A	4.2
Resistance per Phase (25°C) $\pm 15\%$	$\Omega$	0.5
Inductance per Phase (1 kHz) $\pm 20\%$	mH	1.2
Holding Torque	Nm	1.85
Step Angle $\pm 5\%$	$^\circ$	1.8
Rotor Inertia	$\text{kg m}^2$	$30 \times 10^{-6}$

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	$^\circ\text{C}$	-20 ... 50
Max. Temperature Rise (at standstill - 2 phases energized)	$^\circ\text{C}$	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	M $\Omega$	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
$F_a$	$F_r$	$a_x$
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: 0.72 kg	
			Date	Name	
			Drawn	19.07.2019	Garcia_E
			Reviewed	24.07.2019	Knoll_J
			Released	14.11.2019	Reith_S
02	change val. holding tor.	Schneid_A	29.04.2020	1200343	
01	cha. dim. cover/ induc.	Schneid_A	14.11.2019		
REV	Rev. Text	Name	Date	01200343	
				State: Released	Rev: 02
				CONFIDENTIAL	[Symbol]

