



MOTOR SPECIFICATION		
Voltage	V DC	3.6
Current per Winding	A	2.8
Resistance per Phase (25°C)	±15% Ω	1.3
Inductance per Phase (1 kHz)	±20% mH	5.3
Holding Torque	Nm	2.3
Step Angle	±5% °	1.8
Rotor Inertia	kg m <sup>2</sup>	48 × 10 <sup>-6</sup>

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	<b>SCA5618L2804-A2</b>	
		Drawn	23.04.2019		Schneid_A
		Checked	24.04.2019		Hofstet_M
		Approved	----	----	
REV	Rev. Text	Name	Rel. Date		



01200303

State: Sample

Rev: -

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