



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

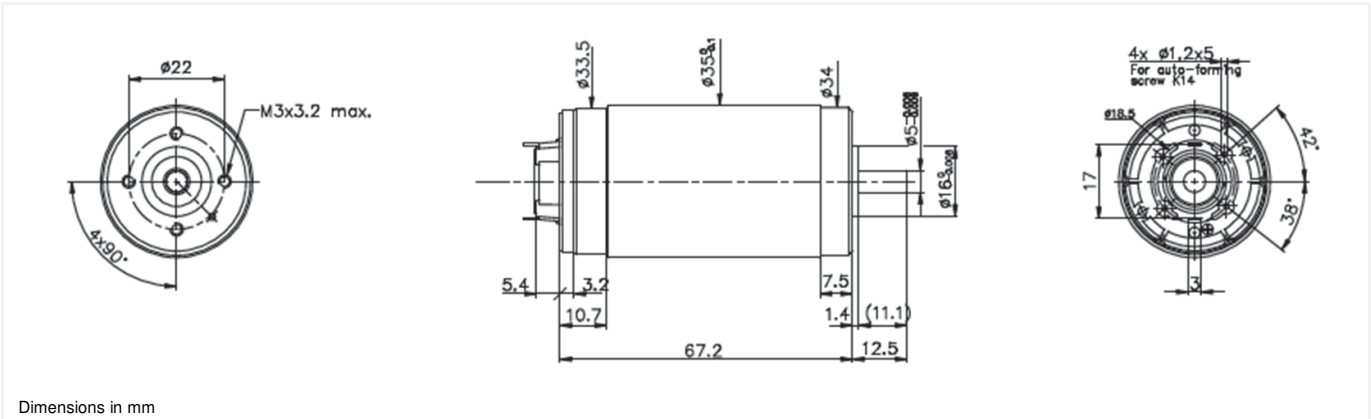


**35GLT2R82**

Graphite-Copper commutation

Ø35mm

160 mNm



Dimensions in mm

**35GLT2R82 \*\*\*\* .1**

Electrical Data	****	426P	326P	234E	426SP	426E	
1 Nominal Voltage	V	24	24	48	48	90	Volt
2 No-Load Speed	$n_0$	6,260	5,835	7,490	6,175	5,439	rpm
3 No-Load Current	$I_0$	120.0	120.0	70.0	60.0	60.0	mA
4 Terminal Resistance	R	0.7	0.9	2.3	2.5	9.5	$\Omega$
5 Output Power	$P_{2max}$	136.0	124.0	122.0	142.0	150.0	W
6 Stall Torque	mNm	1327 (187.92)	1043 (147.71)	1300 (184.1)	1409 (199.54)	1487 (210.58)	mNm (oz-in)
7 Efficiency	$\eta_{max}$	89	87	89	89	85	%
8 Max Continuous Speed	$n_{e max}$	10,000	10,000	10,000	10,000	10,000	rpm
9 Max Continuous Torque	$M_{e max}$	142 (18.7)	132 (18.7)	130 (18.41)	150 (21.25)	160 (22.66)	mNm (oz-in)
10 Max Continuous Current	$I_{e max}$	4.20	3.50	2.20	2.10	1.05	A
11 Back-EMF Constant	$k_E$	3.82	4.09	6.39	7.75	16.44	mV/rpm
12 Torque Constant	$k_M$	36.50	39.10	61.00	74.00	157.00	mNm/A
13 Motor Regulation	$R/k^2$	0.5	0.6	0.6	0.46	0.39	$10^3/Nms$
14 Friction Torque	$T_F$	4.38 (0.63)	4.69 (0.67)	4.27 (0.61)	4.44 (0.63)	9.42 (1.34)	mNm (oz-in)
15 Rotor Inductance	L	0.10	0.15	0.25	0.40	1.70	mH
16 Mechanical Time Constant	$t_m$	3.9	4.4	4.0	4.0	2.7	ms
17 Rotor Inertia	J	83.00	75.00	65.00	85.00	70.00	$g \cdot cm^2$
<b>General Data</b>							
18 Thermal Resistance (rotor/body)	$R_{th1} / R_{th2}$				4/8	$^\circ C/W$	
19 Thermal Time Constant (rotor/stator)	$t_{w1} / t_{w2}$				75/950	S	
20 Operating Temperature Range:	motor				-30 °C to 85 °C (-22 °F to 185 °F)	$^\circ C (^\circ F)$	
	rotor				100 °C (212 °F)	$^\circ C (^\circ F)$	
21 Shaft Load Max.:				With ball bearings			
(5mm from bearing)	-radial				35.0 (125.9)	N (oz)	
	-axial				100 (359.6)	N (oz)	
22 Shaft Play:	-radial				negligible	mm (inch)	
	-axial				negligible	mm (inch)	
23 Weight	g				360 (12.7)	g (oz)	

Execution Table			
Gearbox	Single Shaft	E9	HEDS
R32	1	50	Upon Request
R40	1	50	Upon Request

