



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

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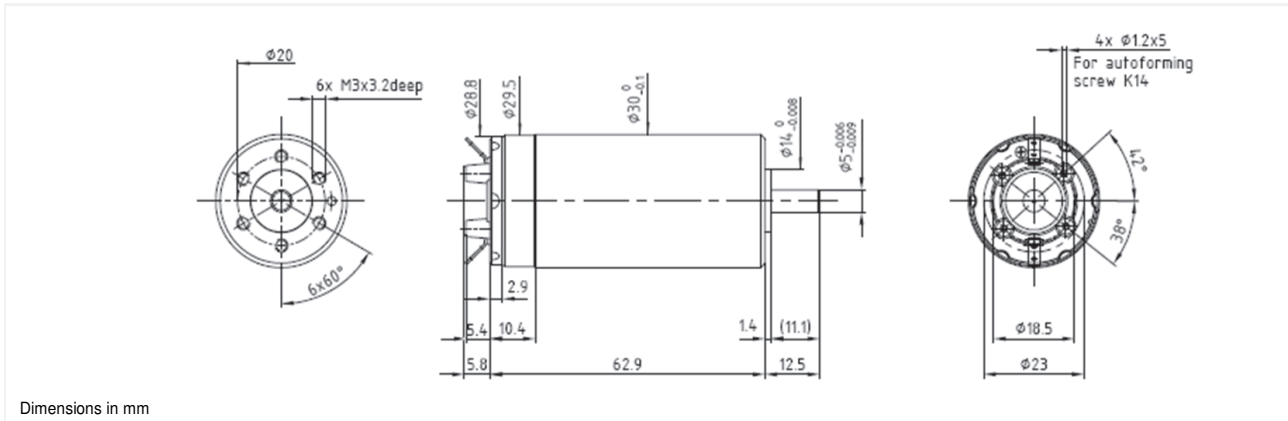


30GT2R82

Graphite-Copper commutation

Ø30mm

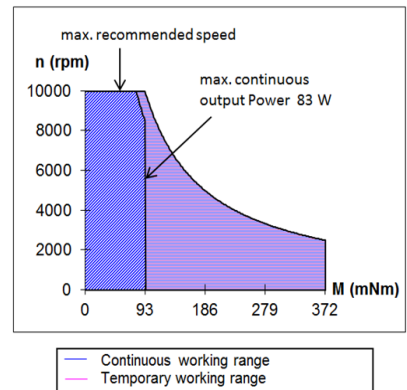
92 mNm



30GT2R82 \*\*\*\* .4

Electrical Data	****	234P	234E	
1 Nominal Voltage	V	15	35	Volt
2 No-Load Speed	$n_0$	7,090	8,600	rpm
3 No-Load Current	$I_0$	180.0	90.0	mA
4 Terminal Resistance	R	0.5	1.6	$\Omega$
5 Output Power	$P_{2max.}$	77.0	82.0	W
6 Stall Torque	mNm	628 (88.94)	847 (119.95)	mNm (oz-in)
7 Efficiency	$\eta_{max.}$	85	88	%
8 Max Continuous Speed	$n_{e max.}$	10,000	10,000	rpm
9 Max Continuous Torque	$M_{e max.}$	87 (13.03)	92 (13.03)	mNm (oz-in)
10 Max Continuous Current	$I_{e max.}$	4.50	2.50	A
11 Back-EMF Constant	$k_E$	2.10	4.05	mV/rpm
12 Torque Constant	$k_M$	20.10	38.70	mNm/A
13 Motor Regulation	$R/k^2$	1.2	1.1	$10^3/Nms$
14 Friction Torque	$T_F$	3.62 (0.52)	3.48 (0.5)	mNm (oz-in)
15 Rotor Inductance	L	0.06	0.24	mH
16 Mechanical Time Constant	$t_m$	4.0	3.6	ms
17 Rotor Inertia	J	33.00	33.00	$g.cm^2$
<b>General Data</b>				
18 Thermal Resistance (rotor/body)	$R_{th1} / R_{th2}$	4.5/9		$^{\circ}C/W$
19 Thermal Time Constant (rotor/stator)	$t_{w1}/t_{w2}$	18/630		S
20 Operating Temperature Range:	motor	-30 $^{\circ}C$ to 85 $^{\circ}C$ (-22 $^{\circ}F$ to 185 $^{\circ}F$ )		$^{\circ}C$ ( $^{\circ}F$ )
	rotor	100 $^{\circ}C$ (212 $^{\circ}F$ )		$^{\circ}C$ ( $^{\circ}F$ )
21 Shaft Load Max.: (5mm from bearing)	With ball bearings			
	-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	310 (10.94)		g (oz)

Execution Table			
Gearbox	Single Shaft	E9	HEDS
R32	4	5	20
R40	4	5	Upon Request



V121616