

# DC Gear Motor · 0612N5M-6G- · 0615N5M-6G- · $\varnothing$ 6 mm

**Specifications** Please consult your authorized sales representative for custom specifications.

Type			0612N5M-6G-		0615N5M-6G-
			200-1.5-001	215-3.0-001	295-6.0-001
Rated voltage	U	V	1.5	3	6
Terminal resistance	R	Ohm	3.5	9.4	18.1
No load speed	$n_0$	rpm	20000	21500	29500
No load current	$I_0$	mA	30	17	15
Stall torque	$T_s$	mNm	0.27	0.38	0.59
Rated torque	T	mNm	0.07	0.1	0.12
Rated speed	n	rpm	14500	15300	16000
Rated current	I	mA	135	100	80
Power	$P_{max}$	W	0.16	0.24	0.5
Max. efficiency	$\eta$	%	54	59	55
Back-EMF constant	$K_E$	mV/rpm	0.07	0.13	0.19
Torque constant	$K_T$	mNm/A	0.67	1.26	1.86
Rotor inertia	$J_{Rotor}$	gcm <sup>2</sup>	0.01	0.01	0.01
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	74000	57000	50000
Length	$L_1$	mm	12	12	15
<b>Operational conditions*</b>					
Temperature range	T	°C	-20 ~ +65		

\* at 25°C

Gearbox - type PGM06-	ratio	3.7	13.7	50.89	188.6	699
Output torque, continuous, max.	$M_{2max}$ [mNm]	5	10	40	40	40
Output torque, intermittent, max.	$M_{2max}$ [mNm]	10	20	70	70	80
Direction of rotation		=	=	=	=	=
Efficiency	$\eta$ [%]	85	72	61	52	44
Length $L_2$	mm	13	15.6	18.2	20.6	23.4
Radial load [5 mm from flange]	N	0.5				
Axial load	N	0.5				

**Dimension (mm) · 0612N5M-6G and 0615N5M-6G:**

