

DC Gear Motor · 0816N5M-8G- · \varnothing 8 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			191-4.5-001	179-9.0-001
Rated voltage	U	V	4.5	9
Terminal resistance	R	Ohm	13.5	62.5
No load speed	n_0	rpm	19100	17900
No load current	I_0	mA	15	8
Stall torque	T_s	mNm	0.68	0.62
Rated torque	T	mNm	0.2	0.19
Rated speed	n	rpm	13000	12000
Rated current	I	mA	110	50
Power	$P_{max.}$	W	0.38	0.32
Max. efficiency	η	%	62	58
Back-EMF constant	K_E	mV/rpm	0.22	0.47
Torque constant	K_T	mNm/A	2.15	4.54
Rotor inertia	J_{Rotor}	gcm ²	0.03	0.03
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	28000	28900
Length	L_1	mm	16.25	16.25
Operational conditions*				
Temperature range	T	°C	-20 ~ +65	

* at 25°C

Gearbox - type PGM08-	ratio	4	16	64	256	1024
Output torque, continuous, max.	$M_{2max.}$ [mNm]	5	10	20	30	35
Output torque, intermittent, max.	$M_{2max.}$ [mNm]	16	30	60	90	105
Direction of rotation		=	=	=	=	=
Efficiency	η [%]	85	75	65	55	45
Length L_2	mm	11.6	14.3	17	19.7	22.4
Radial load (5 mm from flange)	N					0.8
Axial load	N					1.0

Dimension (mm) · 0816N5M-8G:

