

DC Motor · 0816N5M- · \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
Weight		g	3	3
Length	L	mm	16.25	16.25
Operational conditions*				
Temperature range	T	°C	-20 ~ +65	
Axial force dynamic	F_{Adyn}	N	0.1	
Axial force static	F_{St}	N	4	
Radial force at 3 mm from mounting face	F_R	N	0.3	

* at 25° C

Commutator	metal 5 segments
Max. winding temperature	100 °C
Protection class	IP 20
RFI Protection	No
Bearings	2 sintered bronze

Dimension (mm) · 0816N5M:

