

BLDC Motor · B02821N2B- · \varnothing 28 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			49-15.0-001
Rated voltage	U	V	15
Terminal resistance	R	Ohm	2.85
No load speed	n_0	rpm	4950
No load current	I_0	mA	70
Stall torque	T_s	mNm	148.4
Rated torque	T	mNm	35
Rated speed	n	rpm	3780
Rated current	I	mA	1295
Power	$P_{max.}$	W	13.9
Max. efficiency	η	%	78
Back-EMF constant	K_E	mV/rpm	2.99
Torque constant	K_T	mNm/A	28.57
Rotor inertia	J_{Rotor}	gcm ²	24.6
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	33.34
Weight		g	37
Length	L	mm	21
Operational conditions*			
Temperature range	T	°C	-20 ~ +100
Axial force dynamic	F_{Adyn}	N	2
Axial force static	F_{St}	N	75
Radial force at 3 mm from mounting face	F_R	N	10

*at 25°C

Commutation	sensorless
Max. winding temperature	130 °C
Protection class	IP 40
Bearings	2 Ball bearings

Dimension (mm) · B02821N2B:

