

BLDC Motor · B02818N2B- · \varnothing 28 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type	204-12.0-001		
Rated voltage	U	V	12
Terminal resistance	R	Ohm	0.348
No load speed	n_0	rpm	20400
No load current	I_0	mA	650
Stall torque	T_s	mNm	186.6
Rated torque	T	mNm	22
Rated speed	n	rpm	18000
Rated current	I	mA	4680
Power	$P_{max.}$	W	41.5
Max. efficiency	η	%	74
Back-EMF constant	K_E	mV/rpm	0.577
Torque constant	K_T	mNm/A	5.514
Rotor inertia	J_{Rotor}	gcm ²	17
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	109.3
Weight		g	27
Length	L	mm	17.5
Operational conditions*			
Temperature range	T	°C	-20 ~ +100
Axial force dynamic	F_{Adyn}	N	2
Axial force static	F_{St}	N	100
Radial force at 3 mm from mounting face	F_R	N	6

* at 25°C

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

Dimension (mm) · B02818N2B:

