BLDC Motor with Encoder · B1242N2B-

Applications: Precision control fields like medical instrument, industrial robot and so on.
Operating Environment: -15 ~ +45

Motor Characteristics			150-14.0-EN520256-001
Voltage	U	V	14
Terminal resistance	R	Ohm	8.2
No load speed	n_0	rpm	15000
No load current	I_0	mA	100
Rated torque	T	mNm	3.4
Rated speed	n	rpm	11000
Rated current	I	mA	0.5
Power	$P_{max.}$	W	3.4
Max. efficiency	η	%	54
Back-EMF constant	K_E	mV/rpm	0.88
Torque constant	K_T	mNm/A	8.4
Rotor inertia	J_{Rotor}	gcm^2	0.7
Weight		g	19
Length	L	mm	42
Encoder Characteristics			
Number of channels			2
Counts per turn	cpt		256
Supply voltage	V		5
Max operating frequency	kHz		110
High level output voltage	V		2.4 Min
Low level output voltage	V		0.4 Max
Phase shift	°e		90
Z index pulse width	°e		—

Options:
Lead wires length, shaft length, special coils, gearheads, bearing type, encoder channels, encoder counts per turn

Dimension (mm) · B1242N2B-150-14.0-EN520256-001:

...Intelligence in motion