

Interior Rotor With Sensor · B2045NH2B-

Applications: Precision control fields like medical instrument, industrial robot and so on.

Operating Environment: -15 ~ +45

Motor Characteristics		130-12.0-EN522800-001	
Voltage	U	V	12
Terminal resistance	R	Ohm	3
No load speed	n_0	rpm	13000
No load current	I_0	mA	0.25
Stall torque	T_s	mNm	32.5
Stall current	I_s	mA	4
Rated torque	T	mNm	10
Rated speed	n	rpm	9000
Rated current	I	mA	1.4
Max output power	$P_{max.}$	W	11.1
Max. efficiency	η	%	59.2
Back-EMF constant	K_E	mV/rpm	0.87
Torque constant	K_T	mNm/A	8.30
Rotor inertia	J_{Rotor}	gcm ²	2.1
Weight		g	53
	L	mm	62
Encoder Characteristics			
Number of channels			2
Counts per turn	cpt		2800
Supply voltage	V		5
Max operating frequency	kHz		220
High level output voltage	V		2.4 Min
Low level output voltage	V		0.5 Max
Phase shift	$^{\circ}e$		90
Z index pulse width	$^{\circ}e$		90
Dimension A	mm		20
Dimension B	mm		22

Options:

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

Dimension (mm) · B2045NH2B-130-12.0-EN522800-001:

