

DC Motor with Encoder · 1232N5M-EN-

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

Operating Environment: -10 ~ +60; 15 ~ 90% RH

Motor Characteristics		115-12.0-EN520256-001
Voltage	V	12
Terminal resistance	Ω	27
No load speed	rpm	11500
No load current	mA	8
Stall torque	mNm	4.3
Stall current	mA	399
Load torque	mNm	1.00
Load speed	rpm	8500
Load current	mA	110
Max output power	W	1.3
Max. efficiency	%	75
Back-EMF constant	mV/rpm	1
Torque constant	mNm/A	9.8
Rotor inertia	gcm ²	0.1
Weight	g	11
Length	L [mm]	32
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	$^{\circ}$ e	90
Z index pulse width	$^{\circ}$ e	—

Options:

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

Dimension (mm) · 1232N5M-115-12.0-EN520256-001:

