



PM1456C Series

14 mm Slotless / Coreless Brushless DC Motor

24 VDC configuration with 40,000 RPM no-load speed, 76.14 W rated output power and 98 mNm stall torque.

Electrical Performance

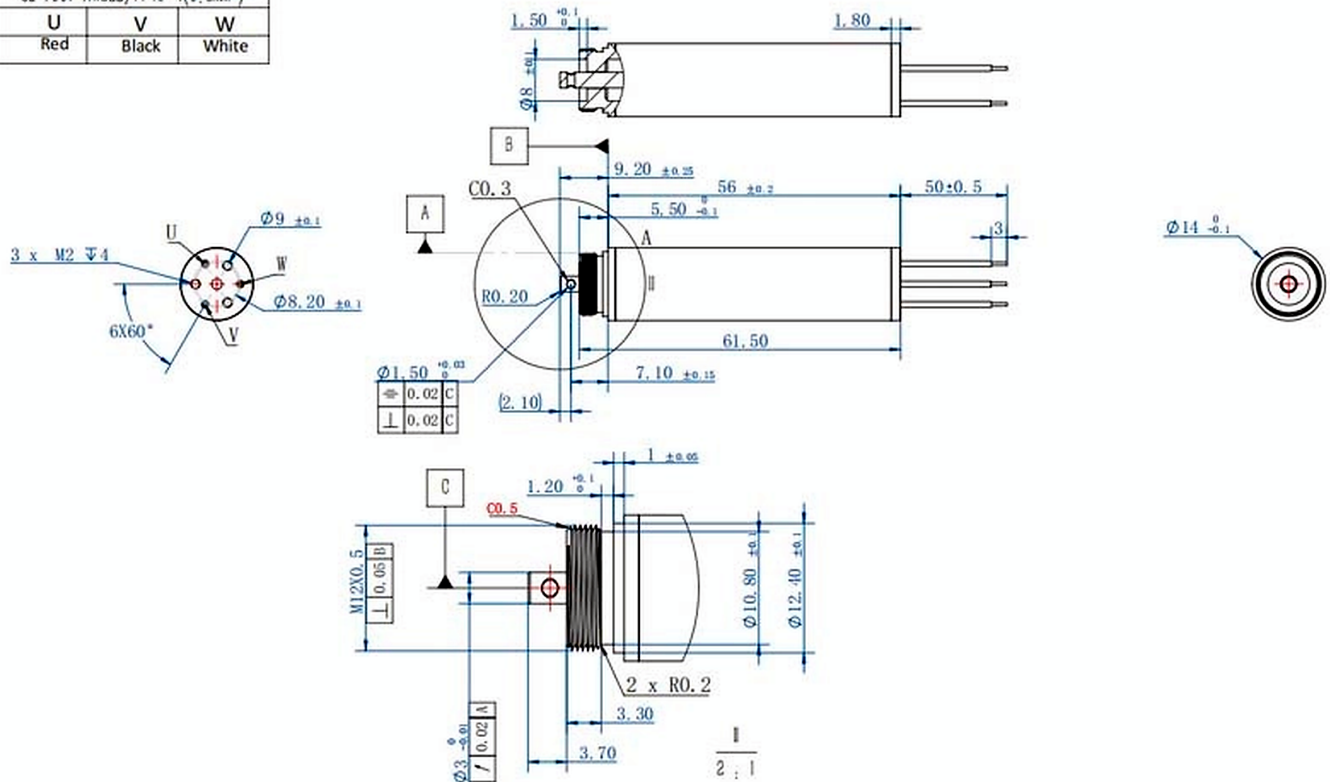
Parameter	Unit	PM1456C-001
Rated Voltage	V	24
Stall Torque	mNm	98
Stall Current	A	17
No-load Speed	rpm	40,000
No-load Current	A	0.22
Rated Speed	rpm	30,200
Rated Current	A	4.36
Rated Torque	mNm	24.06
Rated Output Power	W	76.14
Efficiency at Rated Load	%	72.6
Terminal Resistance	Ohm	1.40
Back-EMF Constant	V/KRPM	0.60
Maximum Efficiency	%	80
Torque Coefficient	mNm/A	5.72
Speed Constant	rpm/V	1,666
Maximum Power Output	W	102.9
Angular Velocity	rad/s	4,188

Additional Information

Rotor pole pairs	1
Number of phases	3
Operating temperature	-40 C to +150 C
Insulation class	Class F
Customization	Motor parameters and shaft dimensions can be customized upon request.
Option	Gearbox

Overall Dimensions

UL 1007 AWG22/FF46-1(0.3MM ²)		
U	V	W
Red	Black	White



Reference drawing. Confirm the approved project drawing before production release.