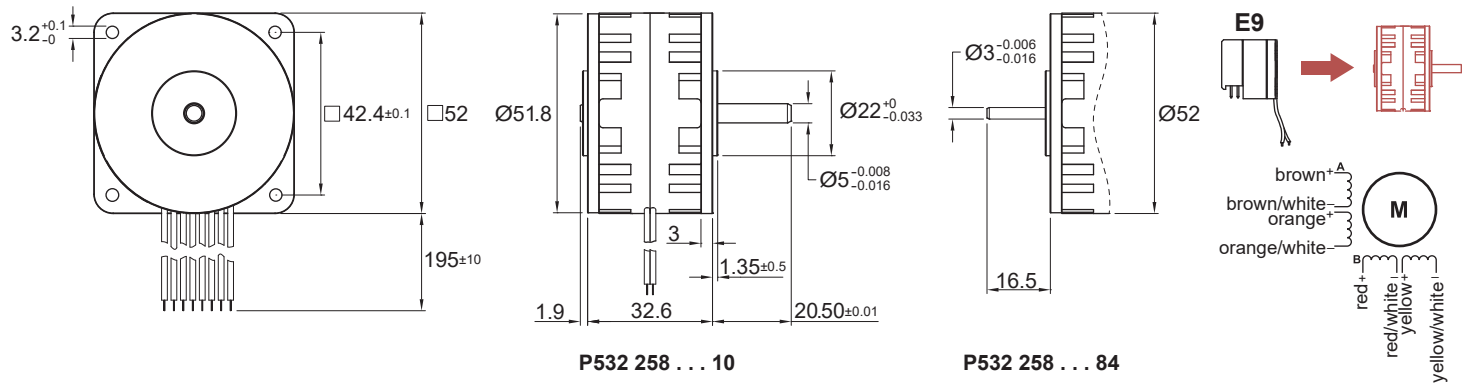


P532

Ø 52 mm • 205 mNm



Dimensions in mm

Electrical Data	P532 258 012	P532 258 004		P532 258 0.7	Unit
	10/84 (series)	10/84 (series)	10/84 (parallel)	10/84 (parallel)	
1 Resistance per Phase, typ	27.0	8.8	2.2	0.35	Ohms
2 Inductance per Phase, typ	64.0	20.0	5.0	0.70	mH
3 Nominal Phase Current (2 ph. On)	0.40	0.70	1.40	3.70	A
4 Nominal Phase Current (1 ph. On)	0.56	1.00	2.00	5.20	A
5 Back EMF Amplitude	21.00	12.00	6.00	2.30	V/kstep/s
General Data					
6 Holding Torque, nominal current				205 (29)	mNm (oz-in)
7 Holding Torque, 1.5x nominal current (1)				300 (42.5)	mNm (oz-in)
8 Detent Torque				40 (5.67)	mNm (oz-in)
9 Rotor Inertia				12.000	kgm ² x 10 ⁻⁷
10 Step Angle				3.6	Degree
11 Absolute Accuracy 2 ph. On, Full step mode				+/- 5%	% Full Step
12 Steps Per Revolution				100	
13 Ambient Temperature Range (operating)				-20 to 50 (-4 to 122)	°C (°F)
14 Maximum Coil Temperature				130 (266)	°C (°F)
15 Thermal Resistance Coil-ambient (2)				7.3	°C/W
16 Natural Resonance Frequency (nominal current)				330	Hz
17 Electrical Time Constant				2.30	ms
18 Angular Acceleration (nominal current)				195,000	rad/s ²
19 Bearing Type				Ball	
20 Dielectric Withstanding Voltage				500 VRMS for 5 seconds	VAC
21 Radial Shaft Play				25@5N	µm
22 Axial Shaft Play				25@5N	µm
23 Maximum Radial Shaft Load				20 (72)	N (oz)
24 Maximum Axial Shaft Load (3)				30 (108)	N (oz)
25 Weight				250 (8.8)	g (oz)
26 Power Rate (nominal current)				35.0	kW/s

Notes:

1. Measured with 1 phase ON. The max coil temperature must be respected
2. Motor unmounted
3. Shaft must be supported when press-fitting a pulley or pinion

