

Design Parameter	Reference	Example Value
Supply Voltage	VM	24 V
Motor Winding Resistance	RL	3.9 Ω
Motor Winding Inductance	IL	2.9 mH
Motor Full Step Angle	$\theta_{\text{step}}$	1.8°/step
Target Microstepping Level	nm	8 μsteps per step
Target Motor Speed	v	120 rpm
Target Full-Scale Current	IFS	1.25 A