

Servo Shaft _ 25 series Actuator and Component

Force

- Peak: 81-202N
- Continuous: 27-68N

Maximum Velocity

- Up to 4m/s

Built-in Feedback

- Can built-in position sensor
- Three differential sin wave signals displaced by 120 degrees , +5VDC supply.
- Industry standard 1V p-p sin/cos signals is optional
- Maximum 4 micron resolution and 8 micron repeatability

Range of motion

- 5mm-1100mm



25 Series Electrical Specification:

Parameters	Unit	SLM2504	SLM2505	SLM2506	SLM2507	SLM2508	SLM2509	SLM2510
Peak force	N	80.9	101.1	121.3	141.5	161.7	181.9	202.1
Continuous force	N	27.0	33.7	40.4	47.2	53.9	60.6	67.4
Peak current	A	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Continuous current	A	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Force constant	N/Arms	10.8	13.5	16.2	18.9	21.6	24.3	27.0
Back EMF constant	Vpk/m/s	8.8	11	13.2	15.4	17.6	19.8	22.0
Max speed	m/s	4	4	4	4	4	4	4
Peak acceleration	m/s/s	100	100	100	100	100	100	100
Max stroke	mm	1100	1083	1066	1049	1032	1015	998
Forcer W*H*L	mm	53.5*53.5*117	53.5*53.5*134	53.5*53.5*151	53.5*53.5*168	53.5*53.5*185	53.5*53.5*202	53.5*53.5*219
Rod diameter	mm	25	25	25	25	25	25	25
Built-in sensor	um	5-25	5-25	5-25	5-25	5-25	5-25	5-25
Encoder	um	0.1-5	0.1-5	0.1-5	0.1-5	0.1-5	0.1-5	0.1-5
Inductance (phase to phase)	mH	1.28	1.6	1.92	2.24	2.56	2.88	3.2
Resistance (phase to phase)	omiga	3.2	4.0	4.8	5.6	6.4	7.2	8.0
Pole pitch	mm	34	34	34	34	34	34	34

* Parameters tolerance: 10%

25 SERIES OUTLINE DRAWINGS (Unit: mm)

