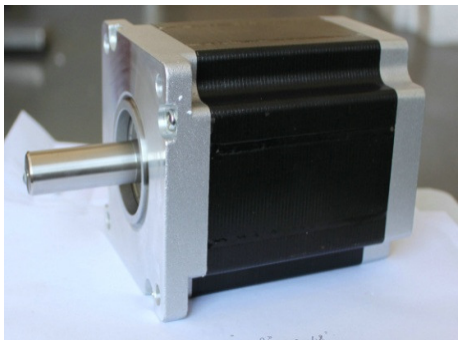
SPARK MOTORS CO.
Excellence in Motion

Spark Motors Pvt Ltd

Model: NEMA42 Stepper motor-SM110HS (1.8degree)



Genaral Specification:

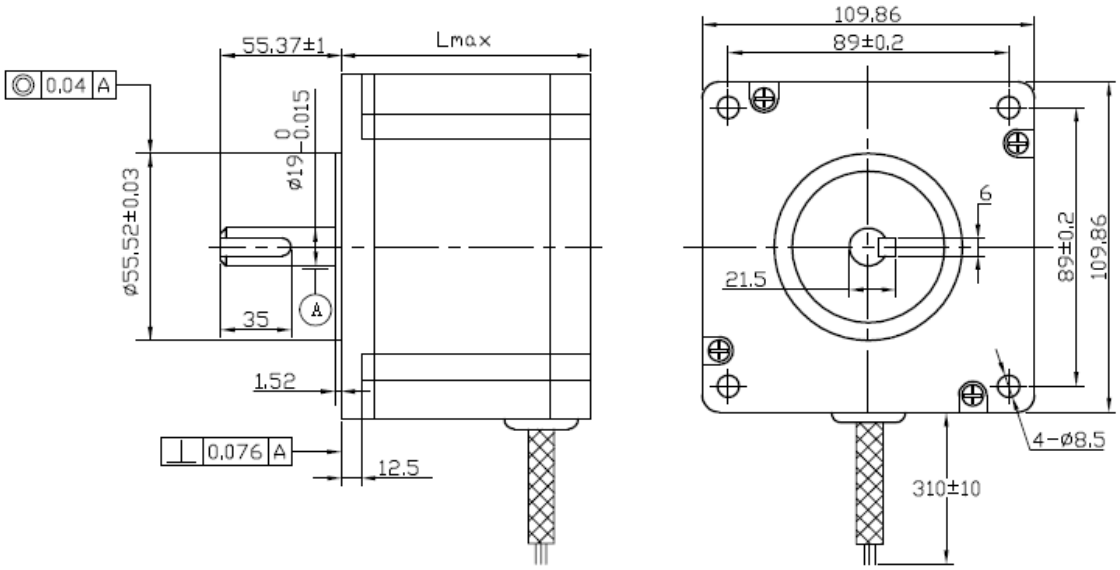
Step Accuracy ---------- ±5%
Resistance Accuracy ---------- ±10%
Inductance Accuracy ---------- ±20%
Temperature Rise ---------- 80°C MAX.
Ambient Temperature Range ---------- -20°C~ +50°C
Storage Temperature Range ---------- -30°C~ +60°C
Insulation Resistance ---------- 100M Ω MIN. 500V DC
Dielectric Strength ---------- 1800VAC for 1S 5mA
Radial Play ---------- 0.02mm MAX. (450g Load)
End Play ---------- 0.08mm MAX. (450g Load)
Max. radial force ---------- 220N
Max. axial force ---------- 60N

Electrical Specification:

Model	Step Angle	Motor Length	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	Lead wires	Detent Torque	Rotor Inertia	Motor Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	kg.cm	$g.cm^2$	Kg
SM110HS99-5504	1.8	99	5.5	0.9	12	11.2	4	3	5500	5
SM110HS150-6504	1.8	150	6.5	0.8	15	21	4	5.9	10900	8.4
SM110HS201-8004	1.8	201	8	0.67	12	28	4	7.5	16200	11.7

*__Note:__ We can also manufacture products according to customer's requirements.

Dimensions:
(Unit=mm)



Wiring Diagram: