



Product Datasheet

ENGLISH

High Torque Hybrid Stepper Motor

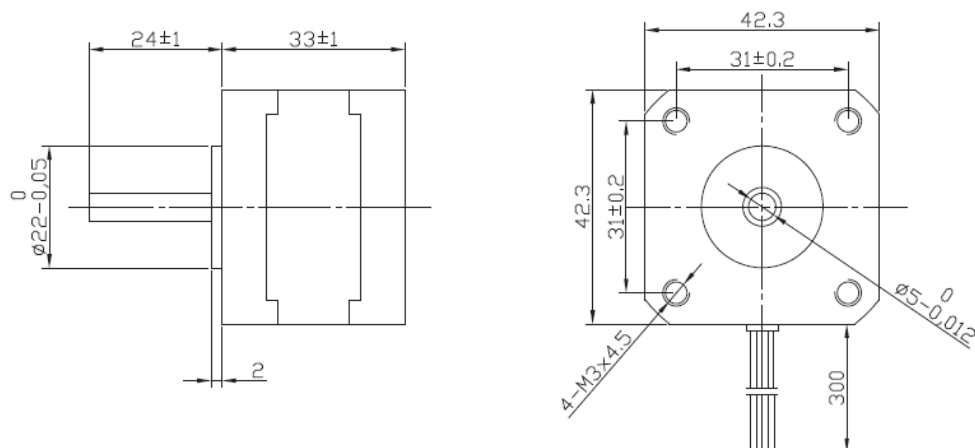


Model		42SH33-1AM	42SH33-2AM	42SH33-3AM	42SH33-4AM
1 RATED VOLTAGE	V	4	6	12	2,8
2 CURRENT/PHASE	A	0,95	0,6	0,31	1,33
3 RESISTANCE/PHASE	Ω	4,2	10	38,5	2,1
4 INDUCTANCE/PHASE	mH	4	9,5	33	4,2
5 HOLDING TORQUE	NM	0,158	0,158	0,158	0,22
6 ROTOR INERTIA	G-CM ²	35	35	35	35
7 WEIGHT	KG	0,22	0,22	0,22	0,22
8 NUMBER OF LEADS	N°	6	6	6	4

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.

Stepper Motor Specification

ENGLISH



Characteristics

STEP ANGLE

0,9°

STEP ANGLE ACCURACY

± 5%

INSULATION CLASS

B

AMBIENT TEMPERATURE

-20°C +50°C

TEMP. RISE

80°C MAX (RATED CURRENT, 2 PHASE ON)

INSULATION RESISTANCE

100 M OHM MIN. 500 VDC

DIELECTRIC STRENGTH

500 VAC FOR ONE MINUTE

SHAFT RADIAL PLAY

0,02 MAX (450 G LOAD)

SHAFT AXIAL PLAY

0,08 MAX. (450 G LOAD)

MAX RADIAL FORCE

28 N (20 MM FROM FRONT FLANGE)

MAX AXIAL FORCE

10 N

Connection

LEAD N°	COLOR	GAUGE	FUNCTION
1	BLACK	UL1430 AWG26	PHASE A
2	GREEN	UL1430 AWG26	PHASE A-
3	RED	UL1430 AWG26	PHASE B
4	BLUE	UL1430 AWG26	PHASE B-
UNIPOLAR MOTOR			
5	YELLOW	UL1430 AWG26	COM PHASE A
6	WHITE	UL1430 AWG26	COM PHASE B

Speed V.s Torque Characteristics

