

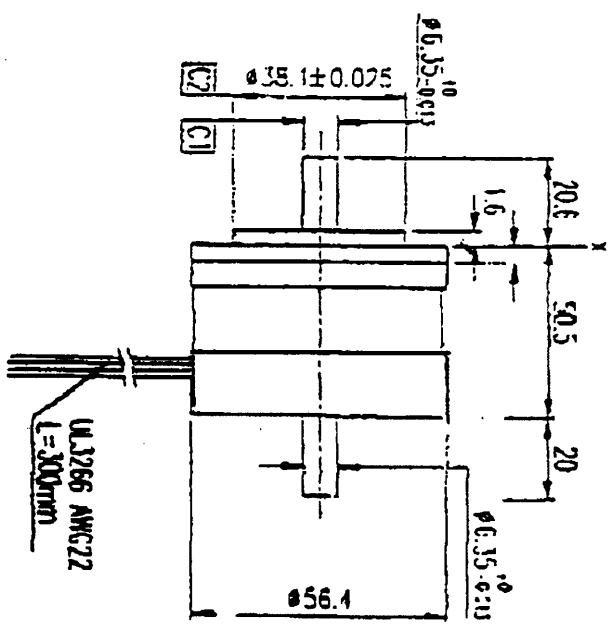
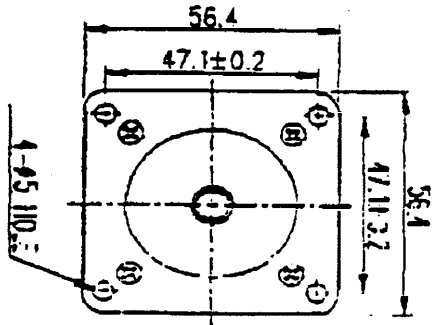


**ASTROSYN**

713-4423

**TECHNICAL DATA**

DIMENSION (UNIT : mm)



- NOTES:
1. C1 DIAMETER RUNOUT TO BE 0.05 mm MAX.
  2. END CAPS TO BE PAINTED BLACK.

SPECIFICATION	
RATED VOLTAGE (V)DC	12
AMPS/PHASE	0.6
RESISTANCE /PHASE Rm (ohms) @25°C	20 ± 10%
INDUCTANCE /PHASE mH @1kHz	35 ± 20%
STEP ANGLE (DEG)	1.8
STEP ACCURACY (NON-ACCUM)	±5%
HOLDING TORQUE (Kg-cm) @0.6A/6.2V-Ex	5.5
ROTOR AREA (q-cm <sup>2</sup> )	110
WEIGHT (g)	500
TEMPERATURE RISE	MAX 80°C
INSULATION RESISTANCE	100M ohm @500VDC
ELECTRICAL STRENGTH	500VAC FOR ONE MINUTE
AMBIENT TEMPERATURE	-10°C ~ +55°C

FULL STEP 2 PHASE-Ex,  
WHEN FACING MOUNTING END (X)

STEP	A	B	A'	B'	C1M	C2V
1	ON	ON				
2		ON	ON			↑ DCV
3			ON	ON		
4	ON			ON		

REV	DESCRIPTION	DATE	APPRO

ASTROSYN INTERNATIONAL  
TECHNOLOGY PLC

SCALE	REV	DATE	REV	DATE
1:1	105	10/9/96	102	09/96
1:1	101	09/96	101	09/96
1:1	100	09/96	100	09/96

STEPPING MOTOR

T1180



**ASTROSYN**

**TECHNICAL DATA**

**T180 CONNECTION DIAGRAM**

DRIVE OUTPUTS & CONNECTION TYPE		
	1 RED 2 GREEN 3 BLACK 4 YELLOW	5 BLACK/WHITE 6 RED/WHITE 7 YELLOW/WHITE 8 GREEN/WHITE
<u>UNIPOLAR</u>	<u>TERMINAL</u>	<u>COLOUR</u>
Ø 1	1	RED
Ø 1	3	BLACK
Ø 1 Common	5 & 6	BLACK/WHITE & RED/WHITE
Ø 2	2	GREEN
Ø 2	4	YELLOW
Ø 2 Common	7 & 8	YELLOW/WHITE & GREEN/WHITE
<u>BIPOLAR SERIES</u>		
Ø 1	1	RED
Ø 1	3	BLACK
Ø 2	2	GREEN
Ø 2	4	YELLOW
Isolate - (LINK)	5 & 6	BLACK/WHITE & RED/WHITE
Isolate - (LINK)	7 & 8	YELLOW/WHITE & GREEN/WHITE
<u>BIPOLAR PARALLEL</u>		
Ø 1	1 & 5	RED & BLACK/WHITE
Ø 1	3 & 6	BLACK & RED/WHITE
Ø 2	2 & 7	GREEN & YELLOW/WHITE
Ø 2	4 & 8	YELLOW & GREEN/WHITE