



CONNECTION	BIPOLAR
SPECIFICATION	
AMPS/PHASE	1.2
RESISTANCE/PHASE (Ohms)@25°C	1.9±10%
INDUCTANCE/PHASE (mH) @1KHz	2.1±20%
SPINDLE PITCH (mm) [in]	5
THRUST (N) (lb)	85 \triangle
RESOLUTION (mm/STEP)	0.025
MAX. SPEED (mm/sec.) at 48V	250 \triangle
MAX. SPEED WITH MAX. TRUST (mm/sec.)	14 \triangle
WEIGHT (Kg) [lb]	0.15[0.331]
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	
INSULATION CLASS B 130° [266°F]	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	

Please regard the application noten at www.nanotec.com for further informations.

Shaft play is adjustable at the motor.

PIN NO	TYPE OF CONNECTION (EXTERN)		MOTOR	
	BIPOLAR	LEADS	WINDING	
1	A —	BLK		
2	A \ —	GRN		
3	B —	RED		
4	B \ —	BLU		

WIRING DIAGRAM

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

STEP	A	B	A \	B \		CCW
1	+	+	-	-		
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+		

02	ADD TO RUN-OUT	23.06.16	B.L.		SCALE FREE	APVD	HZQ	10.10.12	STEPPING MOTOR DWG.NO LS3518S1204-T5x5-75
01	Change The Data	03.12.13	B.L.		X ±0.5	CHKD	GYQ	10.10.12	
REV	DESCRIPTION	DATE	DRN		1PL ±0.2 2PL ±0.1 ANGLE ±30'	DRN	LB	10.10.12	
				LS3518S1204-T5x5-75	SIGNATURE		DATE		