



\*CW

UNIPOLAR

STEP	A	B	$\bar{A}$	$\bar{B}$
1	ON	ON	OFF	OFF
2	OFF	ON	ON	OFF
3	OFF	OFF	ON	ON
4	ON	OFF	OFF	ON
5	ON	ON	OFF	OFF

\*ROTATION AS VIEWED FROM OUTPUT SHAFT \*CCW

No.	Item	Specification	Condition
1	Excitation	2-2phase Bipolar	
2	Rated Voltage	3V DC	
3	No of phase	2 phase	
4	Step Angle	18 deg	
5	No of steps per revolution	20 steps	
6	Resistance Per Phase	$7 \pm 10\% \Omega$	At 20°C
7	Winding Inductance		
8	Current Per Phase	0.43A	
9	Holding TORQUE	60g. cm MIN	
10	Pull-in Torque	9g. cm MIN (at 200pps)	
11	Insulation Resistance	100M $\Omega$ MIN	At DC 500V
12	Dielectric Strength	At $650 \pm 50V$ RMS for 2 Sec	
13	Operating Ambient Temp.	-10°C ~ 40°C	
14	Storage Temp Range	-30°C ~ 80°C	
15	Detent Torque	27.5g. cm MAX	
16	Rotor Inertia	<1.0g. cm. cm	
17	Stepping Accuracy	18° $\pm 5\%$	
18	Pull-in Rate	630pps MIN	
19	Life	3000h MIN(3V)	At 20°C 200pps
20	Lead Wire	AWG28# UL1061	