



35DBM-L

Electrical Data		35DBMXXB1B-L Bipolar	35DBMXXB2B-L Bipolar	35DBMXXB1U-L Unipolar	35DBMXXB2U-L Unipolar	
1	Operating Voltage	5	12	5	12	VDC
2	Resistance per Phase, ± 10%	10.0	58.0	10.0	58.0	Ohms
3	Inductance per Phase, typ	11.2	60.0	5.2	30.0	mH
4	Rated Current per Phase *	0.50	0.21	0.50	0.21	A
Coil independent parameters		XX				
5	Max. Holding Force	@ .001" (0.0254mm)	28.9 (103.9)		20.9 (75)	N (oz)
		@ .002" (0.0508mm)	23.6 (84.9)		15.3 (55)	N (oz)
		@ .003" (0.0762mm)	13.3 (47.8)		8.3 (30)	N (oz)
6	Min. Holding Force (Unenergized)	@ .001" (0.0254mm)		11.1 (40)		N (oz)
		@ .002" (0.0508mm)		2.8 (10)		N (oz)
		@ .003" (0.0762mm)		1.4 (5)		N (oz)
7	Maximum travel	@ .001" (0.0254mm)		63.5 (2.5)		mm (in)
		@ .002" (0.0508mm)		63.5 (2.5)		mm (in)
		@ .003" (0.0762mm)		63.5 (2.5)		mm (in)
8	Step Angle			7.5 ± .5		Degree
9	Steps per Revolution			48		
10	Ambient Temperature Range (operating)			-20 to +70 (-4 to +158)		°C (°F)
11	Maximum Coil Temperature			130 (266)		°C (°F)
12	Bearing Type			Ball Bearing		
13	Insulation Resistance at 500 VDC			20		Mohms
14	Dielectric Withstanding Voltage			650 for 2 seconds		VAC
15	Weight			85.2 (3)		g (oz)
16	Leadwire			AWG 26, UL 1429		

All Motor Data Values at 20°C Unless Otherwise Specified

\* Energize at Rated Current, 2 Phase On

