



35DBM-K

Electrical Data		35DBMXXB1B-K Bipolar	35DBMXXB2B-K Bipolar	35DBMXXB1U-K Unipolar	35DBMXXB2U-K 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)		17.9 (0.71)			mm (in)
	@ .002" (0.0508mm)		17.9 (0.71)			mm (in)
	@ .003" (0.0762mm)		17.9 (0.71)			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

