



57DBM-L

Electrical Data	57DBMXXB1B-L Bipolar	57DBMXXB2B-L Bipolar	57DBMXXB1U-L Unipolar	57DBMXXB2U-L Unipolar	
1 Operating Voltage	5	12	5	12	VDC
2 Resistance per Phase, ± 10%	4.3	25.0	4.3	25.0	Ohms
3 Inductance per Phase, typ	6.3	36.0	5.0	25.0	mH
4 Rated Current per Phase *	1.16	0.48	1.16	0.48	A
Coil independent parameters XX					
5 Max. Holding Force	@ .001" (0.0254mm)	124.6 (448)		89 (320)	N (oz)
	@ .002" (0.0508mm)	102.4 (368)		71 (256)	N (oz)
6 Min. Holding Force (Unenergized)	@ .001" (0.0254mm)		89 (320)		N (oz)
	@ .002" (0.0508mm)		71 (256)		N (oz)
7 Maximum travel	@ .001" (0.0254mm)		76.2 (3)		mm (in)
	@ .002" (0.0508mm)		76.2 (3)		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 5 seconds		VAC
15 Weight			454 (16)		g (oz)
16 Leadwire			AWG 26, MIL-W-16878/4		

All Motor Data Values at 20°C Unless Otherwise Specified

* Energize at Rated Current, 2 Phase On

